

8	27364	92836	69428	61268	74982	46498	32764	31276
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
711	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
7	87432	74328	78674	29867	32867	67867	86786	43286
7	68768	68763	34234	34238	68768	62342	48273	48768
26	98432	32432	86743	43286	43286	43286	43286	43286
243	86743	86743	39867	32867	86743	43286	43286	43243
7	86743	86743	86743	86743	86743	86743	86743	86743
92	98798	98754	98754	98754	98754	29867	67543	67986
6	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
7	58767	58767	58767	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #335, August 2025

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

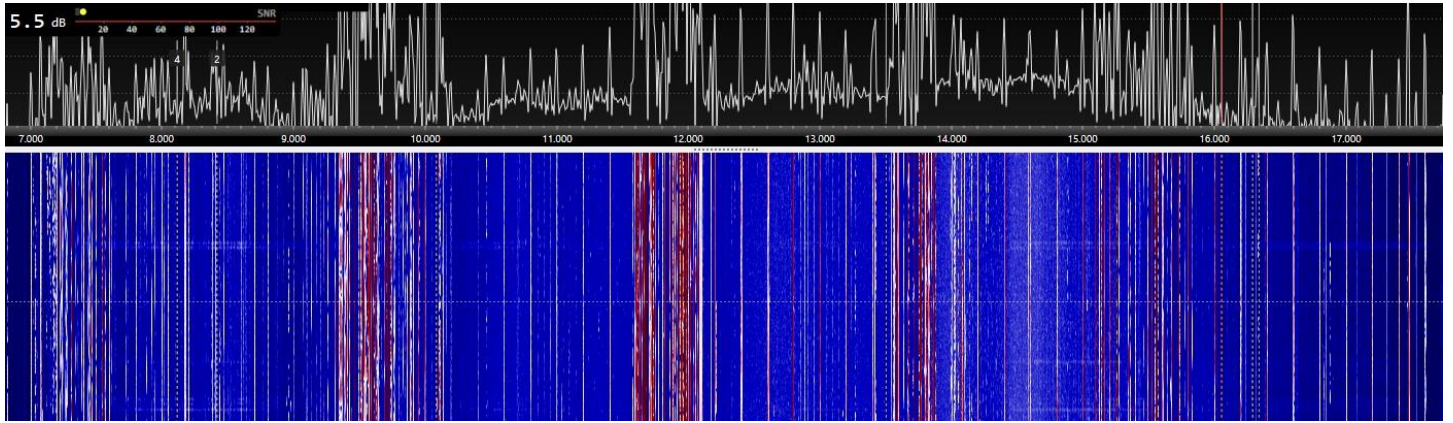


- . . . - - - - - -



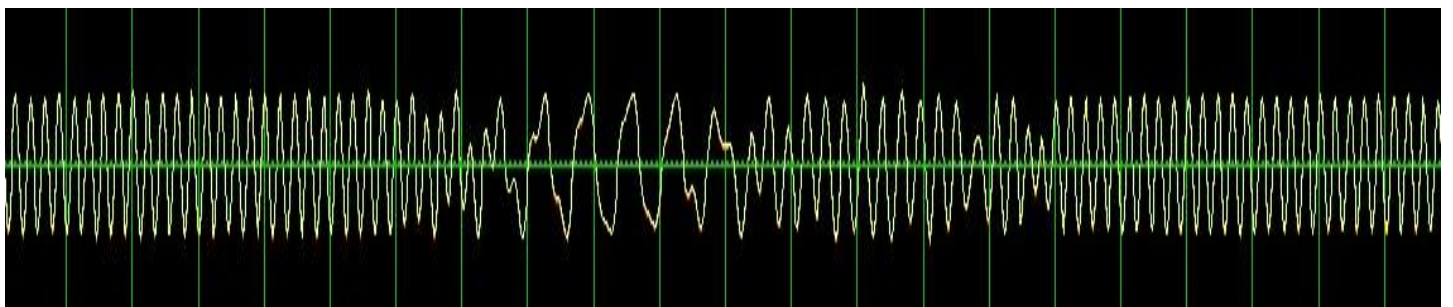
Numbers and Oddities

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Inhoud

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It is with shock and deep sadness that we share the passing of Webweasel, a founding member of the Priyom community. He died in hospital earlier this September, of pneumonia, at the age of 44.

While Webweasel had stepped back from active shortwave monitoring in the past years, I would like to reminisce the legacy he took part in building by quoting from Priyom's mission statement page: "to drag the radio listening community online and into the 21st century (kicking and screaming if needed)". Webweasel was a warm, engaging host for our old early days podcast, and a kind, patient, and endlessly helpful presence outside of it. A professional web system administrator by trade, he was key in getting the Priyom.org website off the ground; he remained a steadfast support and provider for it, even long after he'd withdrawn from the hobby itself.



(picture © Edward Thompson)

Webweasel is survived by his 22 yo son and 20 yo daughter. A funeral service will be held on September 24th in Kent, UK. For further details or to share memories, please contact edk_thompson@yahoo.co.uk

Rest in peace, Webweasel: your legacy lives on in the hobby.

Pierre Ynard on behalf of the Priyom Team

Ary Boender on behalf of N&O and UDXF

Russian operator 7 sent a large number of test/training messages in various formats. We heard M12, XPA2, XPB1, P07 variants and F07 variants. They sure kept us busy.

As so often, M14 experienced problems. But that makes it fun to listen too. You never know what will happen.

Putin's ears within Europe: Uncovering Kaliningrad's Hidden Antenna Array

Andrea IW0HK posted an interesting tip on X. Thanks for that.

Deep within a dense forest in the secluded Kaliningrad Oblast, just 25 kilometres from the tranquil countryside along the eastern border of Poland, a massive construction site is located at coordinates 54.562160, 21.827560. This site caught the attention of open-source researchers at Tochnyi due to its unusual geometry, impressive size, remote location and potential strategic significance – and we therefore conducted an assessment using available satellite information. In this article, we aim to provide a clearer understanding of what this installation might be, by analysing satellite imagery, conducting comparative studies and reviewing historical data related to signals intelligence infrastructure.

For the full story go to the Tochnyi website

<https://tochnyi.info/2025/08/putins-ears-within-europe-uncovering-kaliningrads-hidden-antenna-array/>



ATTENTION ALL INTERCEPT OPERATORS! Crypto Transmission from KPH, Saturday August 30, 2025 @2000Z

The year is 1939. War looms over Europe like a gathering storm. And deep within the quiet halls of a remote country estate, a small, secretive group of the Allies' brightest minds works tirelessly to pierce the veil of the German military's most complex encryption device - the Enigma machine. In just three weeks, a critical radio transmission is expected to be sent in Morse code: a stream of meaningless five-letter groups, indecipherable to ordinary listeners but believed to contain plans of the highest importance. Intelligence believes the message may detail the movement of German forces in a way that could change the course of the war before it has even truly begun.

*In a daring operation that cost brave agents and precious resources, a codebook has been wrestled from enemy hands. It is stained, scarred by fire...and perhaps incomplete, but it is the best chance we have. You are now part of the small team entrusted with this task. The clock is ticking; every day that passes brings the transmission closer, and once it arrives, you must work with speed and precision to decode its secrets. **The fate of ships at sea, soldiers in the field, and***

perhaps the fate of nations rests in your hands.

Time is of the essence - crack the code before it's too late!

The Enigma Transmission

The MRHS in cooperation with our crypto experts at the Cipher History Museum <link: <https://cipherhistory.com/>> have arranged to transmit the Enigma message via the facilities of coast station KPH on Saturday August 30, 2025 at 2000Z.

KPH listeners, intercept operators and code-breakers everywhere are invited to try their hand at receiving the transmission and decrypting the message. Certificates will be awarded for proof of successful decode, first to decode and use of original or replica hardware.

You say your Enigma hardware is a bit rusty? Perhaps your Bombe is not fully operational? No problem, MRHS has you covered! Software simulations exist for the Enigma code machine. Click Here <link: <https://www.101computing.net/enigma/>> for an easy-to-use Enigma simulator. It is web-based, no download necessary.

For additional information on the Enigma please see Ralph Simpsons' Cipher Museum History site <https://cipherhistory.com/enigma>

Crypto broadcast date, time and formats

The Enigma broadcast will commence at 2000Z (1300 Pacific) on 30 August 2025 on all KPH CW frequencies. The CW frequencies are (in kc): 425.0, 6477.5, 8642.0, 12808.5, 17016.8, and 22477.5 . Upon completion of the CW transmissions, the broadcast will be repeated on the KPH RTTY frequencies at 2015Z. The RTTY transmission will be 170cps shift Baudot, 45 baud. The RTTY frequencies are (in kc): 6324.5, 8427.0 and 12585.5

Costas received the message on 12808.5 kHz over a WebSDR in the USA:

@19:45 UTC

VVV VVV VVV DE KPH KPH KPH QSX 4/6/8/12/16/22

OBS? AMVER? QRU? ANS 500/HF ITU CH3 AR K

VVV VVV VVV DE KPH KPH KPH QSX 4/6/8/12/16/22

OBS? AMVER? QRU? ANS 500/HF ITU CH3 AR K

@20:00 UTC

CQ CD DE KPH KPH KPH CQ CQ CQ DE KPH KPH KPH ENIGMA MESSAGE FOLLOWS

CQ CQ CQ DE KPH KPH KPH CQ CQ CQ DE KPH KPH KPH ENIGMA MESSAGE FOLLOWS =

KAPT REINEKE FROM ADM RAEDER 23E O2 MAY 27 = 120 = JXY LYI =

BSTHH GMBOA WGOCL FRCYT VQHDB

TIAUJ ILARX NKQWV HVTXM VJGCF

ZYUGP ZBBZW VLQFR ODBBC PPBDK

XBWTZ MXKGP JAFKA QKKFU UULYV

WXUZK DUFXX FZOFT QXKFS

REPEAT

KAPT REINEKE FROM ADM RAEDER 2312 MAY 27 = 120 = JXY LYI =

BSTHH GMBOA WGOCL FRCYT VQHDB

TIAUJ ILARX NKQWV HVTXM VJGCF

ZYUGP ZBBZW VLQFR ODBBC PPBDK

XBWTZ MXKGP JAFKA QKKFU UULYV

WXUZK DUFXX FZOFT QXKFS

END OF ENIGMA MESSAGE VY 73 ES GL DE KPH SK

VOICE STATIONS

E07

18241/17456/15937 kHz, 1000/1020/1040 UTC

18241/17456/15937 kHz, 02-08, 1000/1020/1040 UTC

249 249 249 1 648 137 648 137
55651 58782 00998 20137 99972 49355 90334 90789 00526 36174
61316 21390 57108 67862 20954 49764 68344 17139 16675 72342
76934 49235 94547 14479 02318 03319 21420 03436 97432 82277
33355 01557 17548 23478 41357 98907 59737 88301 64691 29099
10285 05117 39452 02090 75907 38009 57904 01567 68106 80190
88868 43551 88013 72854 19178 16040 19651 66678 21708 09490
40105 18600 16433 54851 47918 95106 02422 70274 29462 96671
21762 38691 46553 98481 12676 56875 47208 40633 16273 15359
43692 26845 12434 86418 11548 89542 62590 95970 63442 49548
12366 79059 07902 92124 26229 87792 97939 64633 59661 65422
55314 21986 96936 31021 14520 84718 90860 87403 27044 82568
11524 77363 64393 90210 01297 14300 57946 59534 85060 48929
72967 07327 92967 75435 18570 06038 58083 36345 68263 66106
14920 64605 61063 04031 94554 86514 78035 000 000

18241/17456/15937 kHz, 14-08/16-08, 1000/1020/1040 UTC

249 249 249 1 346 122 346 122
09615 93368 60974 63128 45367 79912 99660 33312 78651 66993
72838 26352 38360 23140 97166 63482 00920 44105 32227 72299
82955 56643 86439 21402 22732 73511 41951 96006 79010 05426
71627 13492 89053 34021 89413 77439 11755 92575 33695 36152
91486 96024 90102 30325 48490 39641 01256 66097 48396 04123
23166 65892 39528 92314 11405 27940 05018 27996 72726 55481
06128 71064 64653 73694 63222 34053 52869 61521 49460 73665
61528 36324 88867 34566 75238 89773 51056 16780 58596 79050
46243 49558 90535 46043 93789 28822 32500 63121 93055 08046
14200 74956 87172 39732 14939 02312 64015 11451 15904 80012
71677 30247 15185 02460 16767 18155 54412 37065 03367 52010
93452 87013 81853 81189 56685 23208 12913 60217 66871 78600
59218 28707 000 000

18241/17456/15937 kHz, 28-08/30-08, 1000/1020/1040 UTC

249 249 249 1 5255 149 5255 149
20010 61380 32016 01213 01645 30510 02153 31274 81168 14839
50731 01998 94579 58575 96245 42926 59476 64445 12882 44483
21395 15078 82567 71363 76514 61661 16660 56197 17037 40165
24051 90429 48898 93060 28426 53248 46354 22562 85680 43718
36420 91669 31108 14436 29337 45606 09763 98531 58306 39133
62606 32141 96407 88305 52186 30295 19975 22026 19216 40792
95449 28983 68899 20231 23249 54157 72803 13958 63043 54092
37943 29576 67628 03540 99051 69277 87267 24425 48495 58393
31603 52167 46658 97971 59060 34045 69065 49996 02633 52176
25431 53997 39213 24760 44326 98641 10245 76175 11299 30556
43391 17441 84562 35455 88617 66838 06055 66264 07664 39923
55477 67251 47579 39303 14703 74087 45256 50562 51493 97194
61475 75721 07138 38543 54176 38517 32971 31855 27688 29071
69369 75852 20556 02126 62822 21151 70309 48364 80249 58285
04809 44702 47473 11959 38198 59853 45113 06674 11156 000 000

17453/18353/19253 kHz, 05-08/08-08, 1500/1520/1540 UTC

432 432 432 1 791 191 791 191

73065 24857 75693 10077 37285 55066 62562 30791 78366 32056
 73000 26479 12276 60926 09240 33366 98004 25638 18521 87142
 58290 38521 13146 26468 34624 22752 23555 90237 35465 45549
 79009 51994 48990 74645 45151 05451 04897 07032 98874 03149
 86485 21332 42916 74151 64079 04107 24512 60250 97327 27087
 15202 25485 92884 40408 59599 18938 43862 77444 58170 23865
 21395 47790 99529 01123 32673 95396 45985 00531 95215 17732
 81393 29765 83022 30524 76381 93144 40279 53754 78206 35594
 74416 27190 55943 66885 64261 78429 08504 79210 34883 16937
 59557 64716 85279 12576 92283 30399 65471 34845 35383 08528
 80259 87027 61186 96741 73603 33922 12747 65406 30815 88582
 25586 19560 51449 50782 69330 20953 01282 82337 28615 01381
 31128 96189 68006 35384 49321 95464 40623 33582 43523 19858
 34145 43013 53340 83842 94190 91461 91911 05019 98953 54541
 74167 47149 47372 66429 61424 06851 15167 14112 84311 88614
 52497 52130 13361 00955 79114 28528 49563 01647 42602 67136
 89260 58038 87385 85273 66733 97025 24402 67566 84117 56760
 15985 36636 23982 73419 66933 67720 61466 47006 56099 92209
 60042 13218 94065 27105 13416 78621 92682 15640 96183 15318
 82413 000 000

17453/18353/19253 kHz, 19-08/22-08, 1500/1520/1540 UTC

432 432 432 1 837 94 837 94

94304 85715 31162 05425 80398 79377 74025 45443 94796 68410
 15940 55786 13264 76960 85195 62670 56148 94708 59782 51641
 38893 03170 76761 19122 84330 75554 90016 30832 03648 72421
 93867 19761 76176 43462 63501 99548 75926 56358 05946 93278
 19528 45471 07107 98971 07789 95123 97680 96559 25032 56963
 07810 35617 22321 36076 02075 94195 16828 99870 72865 29799
 29676 34756 85157 10191 58729 87199 32679 59428 74695 71726
 46827 52536 06807 37435 89133 01188 37699 31342 14443 31110
 06560 80441 33715 31467 86181 59335 30288 19528 75677 96989
 60682 20877 11297 44663 000 000

E11a**21906 kHz, 04-08/07-08, 0600 UTC**

941/30 Attention

16922 71698 64914 00352 99067 41498 64576 29881 10392 66350
 43454 70796 77105 97231 77803 71518 94456 09453 64878 42537
 85192 81943 81839 40576 12469 50801 89615 99559 42479 75219
 Attention (message repeated) Out

15915 kHz, 04-08/06-08, 0715 UTC

757/36 Attention

39613 23569 88953 90300 03991 47775 14600 28429 99675 48809
 18557 70905 75568 74563 31325 11263 80849 29098 89534 79036
 44671 98364 58487 68946 71339 21104 27535 35598 54744 06458
 74175 25649 62418 04088 03478 30773
 Attention (message repeated) out

9610 kHz, 04-08, 0745 UTC / 10356 kHz, 07-08, 1530 UTC

262/40 Attention

60079 66775 65586 75779 14631 59721 95988 76627 93560 10272
 03362 72423 79519 94997 32840 88351 45262 07516 50989 26076
 86258 01642 67419 41899 46082 00149 53272 04838 89316 64132
 00873 97616 30880 55982 68430 23086 42339 32573 80246 18037
 Attention (message repeated) Out

16335 kHz, 04-08/08-08, 0830 UTC

184/30 Attention

25902 06967 26146 70564 44217 43101 25504 99817 95516 36945
44077 22191 33422 88875 35183 29591 10191 53292 26996 64279
27068 02446 77318 34108 17742 98648 91938 40077 16769 63555
Attention (message repeated) Out

12815 kHz, 04-08/06-08, 0845 UTC

716/32 Attention

37067 98648 72901 52419 55239 21350 42524 76444 28646 96602
57054 84712 62454 92219 57249 80696 42428 27860 15846 29127
97018 34291 57904 05121 04806 88814 00636 02628 64314 93262
06295 75019
Attention (message repeated) Out

11116 kHz, 04-08/06-08, 0900 UTC

537/33 Attention

90771 47042 36164 50159 26307 41864 71884 31607 90286 82800
01848 02780 43039 14527 43174 35203 38478 95905 02552 80483
13676 22573 51086 95490 42621 72354 35375 15885 40385 97824
62692 46704 84384
Attention (message repeated) Out

5737 kHz, 04-08/07-08, 1300 UTC

310/33 Attention

65434 68183 96318 52717 30212 83182 93178 90528 39739 12238
38346 27288 67216 65299 34079 54303 68283 91131 61998 18475
24807 55905 63295 06820 20576 18568 53832 08718 79871 42389
75555 69608 08570
Attention (message repeated) Out

11092 kHz, 05-08/07-08, 0645 UTC

515/39 Attention

10581 81129 44594 68071 51482 79733 84847 96731 96753 24065
37297 80830 05024 67994 09266 65360 80089 31403 58409 92556
09482 44940 51255 51096 67456 99906 81158 87800 84734 05055
56618 42492 85139 88931 07934 93451 30059 92415 90005
Attention (message repeated) Out

8680 kHz, 05-08/08-08, 0700 UTC

579/40 Attention

70332 59436 13604 14452 50007 78504 63075 53836 74843 96985
64416 61993 37253 81558 33198 38013 69256 72456 83216 59984
79997 68697 80222 23279 99536 84106 37208 99249 25205 11564
74891 93783 73703 70715 49078 74368 39156 28851 54529 32087
Attention (message repeated) Out

12530 kHz, 05-08/08-08, 0715 UTC

630/37 Attention

86911 10748 73948 74702 31938 49279 11370 19803 79504 83970
14527 35296 66815 97229 14824 93369 37874 68945 48563 49952
17928 95035 53206 56291 05781 69141 01752 77642 34819 36474
95376 87409 32917 00447 43251 24333 11261
Attention (message repeated) Out

15720 kHz, 06-08/08-08, 0745 UTC

340/38 Attention

74184 71517 09001 12626 93480 52662 35981 93731 56941 87511
29698 97313 85206 66520 71107 45305 58083 61435 54415 77129
57911 59487 47333 73190 50783 56349 32866 56774 82797 50599
25359 92126 74549 32577 91994 31730 38637 92279
Attention (message repeated) Out

6923 kHz, 06-08/07-08, 0930 UTC

270/34 Attention

34530 34222 99497 01217 38688 27117 32778 55607 79931 72369
39677 07983 85031 80811 85764 70617 44541 01118 84638 72698
34765 38812 78265 24732 40510 55305 49751 01649 91131 81526
47356 77281 64798 27563

Attention (message repeated) Out

12229 kHz, 08-08/10-08, 1815 UTC

926/32 Attention

38145 10858 17763 44309 00593 76734 73180 71743 93277 27882
96000 66090 35417 99214 32534 86118 26066 07830 99475 20695
28835 21883 98396 80911 93848 06542 70897 00368 23211 07167
10339 03521

Attention (message repeated) Out

7377 kHz, 09-08/10-08, 0700 UTC

496/31 Attention

02273 09008 09848 38100 30779 08147 31388 21882 42566 25969
36960 69013 32822 50645 78918 30649 31169 85732 44982 97922
20758 02227 83328 71697 62707 41201 50582 31919 14857 90617
47682

Attention (message repeated) Out

5082 kHz, 09-08/10-08, 1645 UTC

366/38 Attention

73402 29186 66150 66747 04540 88320 97476 89745 79270 69561
31145 62789 69940 21822 80990 70479 76404 59711 52925 55949
92251 57753 44465 10479 13995 90296 84482 21379 94114 09043
17409 45870 73415 44348 43328 08447 46895 12865

Attention (message repeated) Out

19184 kHz, 12-08/14-08, 0845 UTC

159/33 Attention

10051 37400 50782 40962 53596 14619 62542 75916 73415 65027
61156 70500 63867 74767 65636 25163 87223 68447 49354 90629
23593 48519 28143 33263 46089 86182 25500 46941 15034 46306
74204 55024 05569

Attention (message repeated) Out

5409 kHz, 14-08/17-08, 2000 UTC

527/36 Attention

47029 02209 05227 49698 01891 70917 07780 38156 30984 15935
19397 82028 52544 31984 04500 47085 97439 73102 33619 86894
78517 17367 59648 46554 09512 01181 81731 15295 79130 15759
34859 41779 84961 69759 28443 16284

Attention (message repeated) Out

9150 kHz, 15-08/17-08, 0600 UTC

354/36 Attention

77936 58180 73503 08298 06960 60771 54710 65240 37568 76293
57787 83991 13518 19763 34543 19436 26180 03175 98549 28459
30689 99558 98637 29969 61265 43365 73653 80523 76300 63640
61181 43316 63205 15355 20509 88306

Attention (message repeated) Out

18511 kHz, 18-08/20-08, 0315 UTC

258/36 Attention

20294 21990 64684 42590 70877 08593 67932 92273 54931 45255
70946 40095 04571 46223 93322 25947 42017 93036 59501 18713
29800 90275 42445 28260 67739 86876 57651 75159 93265 24797
71143 77052 76814 24214 72818 10948

Attention (message repeated) Out

14410 kHz, 18-08/24-09, 1745 UTC

249/35 Attention

19931 74731 50191 66421 37585 93748 51125 97056 81246 37416
03840 13484 64816 44617 48920 64994 92102 58904 08747 47304
10430 49535 07871 21872 10424 10931 75480 93918 35416 33131
09578 67513 69599 03968 10655
Attention (message repeated) Out

7600 kHz, 18-08/21-08, 1900 UTC

649/33 Attention

23493 99797 37306 56285 98293 59892 07264 80745 29235 74278
55175 93958 49979 87182 71461 68802 01184 08065 27807 77502
08833 00331 27708 08227 89447 58855 53220 80600 81741 78374
90318 70014 54627
Attention (message repeated) Out

17378 kHz, 19-08/20-08, 0820 UTC

134/35 Attention

27725 86058 43557 87421 46272 40876 87926 47218 05906 04796
18106 31140 09880 11921 84994 64311 31046 04213 91856 82083
05379 26046 47367 65262 85136 30240 63820 70534 05263 55382
08658 35231 40145 05869 87308
Attention (message repeated) Out

8274 kHz, 19-08/20-08, 1205 UTC

465/31 Attention

41902 61739 38804 16216 02745 80298 69205 93300 49124 58705
34905 51699 41495 09074 92766 66529 43443 00883 06213 31758
95064 56437 20953 56213 17970 96694 70428 21087 03275 77543
11546
Attention (message repeated) Out

12984 kHz, 19-08/23-08, 1430 UTC

918/35 Attention

19323 26770 85810 82662 15473 69061 88457 73385 34995 55657
63203 27735 01258 73224 65200 83507 44611 91885 45483 20486
33924 95435 74818 30766 26768 00267 46977 29420 81783 57460
89600 31471 74172 21048 55795
Attention (message repeated) Out

4783 kHz, 20-08/23-08, 1610 UTC

395/34 Attention

98611 70867 12923 97458 91807 65448 47155 26627 18638 78798
99188 58996 65271 12657 25290 31521 09975 08906 15560 05060
69669 56553 74021 50052 85978 62590 92898 21627 98088 41524
62483 76830 16482 81597
Attention (message repeated) Out

7863 kHz, 20-08/22-08, 1715 UTC

975/39 Attention

11783 10993 31704 61348 42295 70072 88129 91727 48911 00940
51179 27535 48087 64251 77087 28824 83110 21104 96370 65353
16116 35288 94037 06604 56204 40589 63987 89289 64630 71841
97678 83809 48591 18792 14926 22903 29975 26863 75292
Attention (message repeated) Out

7984 kHz, 21-08/22-08, 0720 UTC

430/33 Attention

82741 98512 64371 53811 50081 93744 90490 23274 65281 48189
15993 02330 99033 34553 50220 54950 48654 78451 58391 01828
83340 85321 39642 34167 11321 99849 45246 58676 74492 14148
86964 25986 13045
Attention (message repeated) Out

14575 kHz, 19-08/21-08, 1645 UTC

337/34 Attention

05187 32956 09007 29382 27265 22326 54646 89338 24122 72076
74028 07538 99745 51710 86547 0325 206976 10595 71154 32178
41214 62651 10839 71654 19182 92931 05423 34994 03352 00497
78931 21204 40177 71499

Attention (message repeated) Out

10508 kHz, 25-08/27-08, 0645 UTC

416/40 Attention

81567 02875 03807 43650 40018 64760 38639 45784 68011 79907
27296 01350 73987 19898 93024 13135 21415 11524 31008 05372
20978 22515 82788 74875 40243 97629 87184 32482 01843 63552
34285 65205 80199 76916 63033 81495 77893 16040 40222 37743

Attention (message repeated) Out

10210 kHz, 25-08/27-08, 1045 UTC

691/37 Attention

32666 42157 28258 31239 11487 33228 80816 48343 97678 21197
26265 10149 31564 07312 23993 07856 03148 56232 78406 82720
54918 11883 75657 40595 20146 04790 71450 36145 65928 65602
47260 30749 23579 08254 44429 24878 88290

Attention (message repeated) Out

20640 kHz, 26-08/28-08, 0745 UTC

223/40 Attention

76522 28991 58322 02279 16326 84373 29631 41967 38344 19662
23910 15264 96750 88560 15964 68978 82718 51531 40405 15334
05446 31395 22144 88215 25041 05407 31031 29316 45639 56160
95424 47780 11977 25203 64210 63886 94071 52175 95847 09289

Attention (message repeated) Out

12153 kHz, 26-08/29-08, 1000 UTC

302/25 Attention

23258 26502 84687 37089 72797 00456 35526 87774 39532 61244
92416 20971 74879 54097 61556 86605 65317 62166 88089 72231
94546 53187 87472 67892 55746

Attention (message repeated) Out

5231 kHz, 26-08/31-08, 1605 UTC

233/32 Attention

78000 96287 80586 59212 44801 22912 05458 21907 62598 93323
29185 38775 14664 38070 20598 65963 23260 81237 89610 85669
34519 49523 94176 31844 21043 93569 22314 47073 23282 08569
72188 55212

Attention (message repeated) Out

9610 kHz, 29-08/31-08, 1910 UTC

612/39 Attention

28788 38734 64646 91416 28153 51412 55456 27964 91411 28024
66873 57499 18417 98357 55287 55099 00219 97589 00340 37137
36625 00324 38951 31630 03510 59532 71805 95041 73310 28924
02801 72500 64283 02612 33652 65053 39272 82464 74714

Attention (message repeated) Out

S06

11616/9322 kHz, 01-08, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 04-08/05-08, 0400/0420 UTC

04-08, 0400 UTC: technical problems. Restart after the callup

480 519 60

93913 31293 46383 77082 03226 04248 21169 91222 25681 28706
71441 17935 13220 22535 52426 37802 66109 48772 62777 36468
49349 91375 92090 85897 17762 74433 85682 12075 73214 42016
12611 78807 02401 40859 47838 42338 68638 73068 04508 56440
56098 11031 77244 32688 89911 91719 82430 85592 80606 32582
06399 17292 66280 36194 97458 21470 50977 75879 62726 11211
519 60 00000

11616/9322 kHz, 06-08/07-08, 0400/0420 UTC

480 219 34

92000 13723 60721 95791 37172 27454 87012 06736 45882 23671
45000 49045 58649 90384 76854 19196 60952 45498 99615 14954
79493 86855 99152 23948 18790 43940 32432 53734 05277 67178
17768 01817 31133 15773
219 34
480 763 21
73141 28909 27735 29653 42354 67356 54450 98398 75912 54116
32230 52810 03543 10268 03655 66688 73811 51459 86100 97606
02989
763 21 00000

11616/9322 kHz, 08-08, 0400/0420 UTC

480 (R4) off

11616/9322 kHz, 11-08/12-08, 0400/0420 UTC

480 356 60

23999 04988 01724 65794 20151 47227 10459 47844 75682 18392
69266 34046 53748 75145 40934 10680 22438 16414 87446 99458
24280 99637 95001 01373 89198 74308 85458 72657 08113 18736
43889 81332 09376 90965 16943 17740 05225 29799 61686 57529
00445 66847 49631 00518 80420 35561 55618 33865 20779 88162
86249 93010 85791 56436 27570 18789 07740 17297 16662 34188
356 60 00000

11616/9322 kHz, 13-08/14-04, 0400/0420 UTC

480 721 34

85430 16271 06087 13801 73521 42631 89559 00378 06649 80477
94832 81857 64143 91001 25497 39365 42431 85307 56972 24480
46844 02239 19381 42383 51111 24578 72324 94977 54215 82075
13741 91418 89294 14719
721 34
480 956 21
50806 82372 44457 53802 08464 12975 74178 11660 72403 48031
36700 12697 80969 13904 12040 73095 70507 44544 06072 77769
18305
956 21 00000

11616/9322 kHz, 15-08, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 18-08/19-08, 0400/0420 UTC

480 372 54

33689 25442 32286 01366 18353 72690 73612 60661 14377 31686
68742 65885 32416 01683 18808 21992 68697 96114 27476 04811
64851 10508 84268 96396 78383 43618 13992 50938 06004 82725
46973 64673 26920 89033 89780 48249 58407 44090 01121 24957
40722 43200 02597 03284 93619 46729 79024 97218 11632 25266
47977 92750 90309 59570
372 54 00000

11616/9322 kHz, 20-08, 0400/0420 UTC. Distorted voice
11616/9322 kHz, 21-08, 0400/0420 UTC

480 195 30
36318 97819 46601 16307 16139 08255 40870 25374 86312 64465
54398 84210 80516 55817 13879 00577 84017 15937 98931 05066
87248 59367 69170 05194 50038 71460 57386 70066 18670 62423
195 30
480 637 21
78378 00309 54281 27391 42523 57719 14517 43217 38533 40428
32648 13353 69317 08458 11203 37518 43906 34081 22167 35758
18020
637 21 00000

11616/9322 kHz, 22-08, 0400/0420 UTC
480 480 480 00000

11616/9322 kHz, 25-08/26-08, 0400/0420 UTC

Note: on 25-08, M14 accidentally transmitted the S06 0400/0420z message. After completion, it started the correct message

480 251 59
77317 70697 75547 84699 55687 65274 54174 66977 15025 12948
03620 50370 16615 63087 60462 41374 85987 83544 40007 71777
33317 56422 83894 80410 80957 09488 85917 86020 86546 25420
07008 05939 55097 96077 15319 00244 78557 13971 12341 46092
26221 18129 30994 71918 34474 36553 16622 06183 29287 92430
26846 20360 59901 63617 11192 70849 27142 31455 56450
251 59 00000

11616/9322 kHz, 27-08/28-08, 0400/0420 UTC

480 312 29
09737 93134 45776 82656 37619 01084 65979 74944 00230 44128
51767 59724 18471 82712 60014 69686 72363 74833 45140 74073
68842 33755 41405 58902 86598 70966 71468 38528 77657
312 29
480 976 22
71067 84859 96716 08787 49582 63421 45160 57590 68624 44212
29241 39870 95546 87205 39921 40874 83809 70810 99785 01244
50171 21577
976 22 00000

11616/9322 kHz, 29-08, 0400/0420 UTC
480 480 480 00000

S11a

6814 kHz, 04-08/08-08, 0915 UTC

487/40 Vnimaniye
48867 46909 21778 57644 68628 85212 70026 85281 88988 63818
53703 67776 76119 72207 59763 74389 57146 87547 05758 87006
37403 36367 14717 91082 33469 98579 27846 24123 23476 06035
55769 63578 41820 40874 58282 84227 33038 48883 10548 61808
Vnimaniye (message repeated) Konets

9968 kHz, 05-08/07-08, 0445 UTC

793/40 Vnimaniye
08819 24754 19805 55585 33810 44037 09612 97972 46753 04883
91737 54109 50503 29526 30187 76814 88615 20326 55118 12584
19456 67680 53200 27905 74753 69506 69849 14707 04737 64309
44312 07742 22980 73851 37216 70003 57077 86553 27306 18892
Vnimaniye (message repeated) Konets

18773 kHz, 06-08/08-08, 0725 UTC

389/39 Vnimanije

21761 82320 13019 84729 38628 91417 31758 22095 94098 39393
29057 02906 74515 47353 80594 98577 37346 48056 38982 61463
10722 19337 11020 53101 16516 26586 04244 43875 80765 82885
67987 28434 98739 38264 15672 83770 74818 15826 84920

Vnimanije (message repeated) Konets

9448 kHz, 12-08/15-08, 1400 UTC

422/35 Vnimanije

50765 30721 25155 44142 15317 96528 92893 16179 18702 13725
83567 08501 87894 67353 27315 29978 01006 00684 30465 00310
98518 32579 88063 84444 73636 14256 48008 54468 11010 43132
36999 19111 97422 71264 63034

Vnimanije (message repeated) Konets

5149 kHz, 16-08/17-08, 0830 UTC

370/33 Vnimanije

86635 84224 70435 60834 74341 25147 24527 67747 22424 01806
13414 82908 35269 98937 46849 44117 34304 71583 20203 16337
71416 95244 31492 69029 03244 44520 47434 04661 85022 13274
32144 54471 97767

Vnimanije (message repeated) Konets

12457 kHz, 20-08/23-08, 1850 UTC

282/40 Vnimanije

24516 37406 23622 57897 87113 99919 61181 04409 84571 60923
20185 81068 09433 43848 47015 95347 48245 59052 62380 97643
11711 39896 37917 17680 16055 77842 07379 75671 88625 84453
67116 83857 84716 86618 74897 49094 74505 75211 53417 15842

Vnimanije (message repeated) Konets

16357 kHz, 25-08/27-08, 0510 UTC

656/40 Vnimanije

69035 78900 88608 89432 83021 72632 11042 31994 72796 01519
94181 02656 31595 17545 92980 29173 85690 16996 48963 01360
43428 73206 04513 89426 45297 63696 69217 90892 44341 45731
89841 61632 83336 76096 04247 72648 34451 73662 01647 97863

Vnimanije (message repeated) Konets

9339 kHz, 25-08/28-08, 0700 UTC

476/32 Vnimanije

40291 44745 54836 62510 42367 69760 57280 74236 01689 87864
18435 87530 10162 60228 49187 40248 67966 08008 12286 08874
08321 21305 70673 50561 22478 07058 12572 73941 57517 50591
83045 44328

Vnimanije (message repeated) Out

V07**13408/12208 kHz, 03-08, 0700/0720 UTC**

425 425 425 000

13408/12208 /11508 kHz, 10-08, 0700/0720/0740 UTC

425 425 425 1 9705 84 9705 84

63540 34954 55475 98228 87184 24734 34234 92877 35305 15186
63484 67883 83299 93648 71496 05327 99411 66582 22209 87220
25910 68443 39684 57147 13429 83540 50859 94337 04100 74397
85918 58630 84448 54016 47248 55682 27093 32763 83267 01330
36492 55935 36402 54063 17537 68749 96885 31212 68450 23033
78191 83240 69179 76389 43942 84515 99199 52845 54068 82869
31947 80257 68507 19740 43209 08180 78138 26127 08775 73170

60820 19037 54080 68192 13752 91659 35062 26074 39518 10082
11713 76188 24396 37867 000 000

13408/12208 /11508 kHz, 17-08, 0700/0720/0740 UTC

425 425 425 1 5379 98 5379 98
97148 70854 63443 80990 14583 64038 44942 63715 34642 02200
33596 47276 37115 67107 44496 82803 51928 56203 91884 48076
54062 89431 27726 25008 78300 63798 99238 58991 78492 85523
98683 64935 52801 10147 39532 00579 72171 79445 68823 67429
97251 97874 57381 06469 13244 54528 48529 78705 17804 12345
46546 12763 58280 83369 53254 70174 55860 76488 11448 03366
38398 51934 44649 25019 27593 53037 17189 72402 46110 24684
96140 10308 64523 84167 62302 57988 82069 27975 89033 14898
97843 24180 24908 15143 64294 75758 27957 96931 76659 95358
40356 74675 22497 47189 43249 66023 15297 01111 000 000

13408/12208 kHz, 24-08, 0700/0720 UTC

425 425 425 000

13408/12208 /11508 kHz, 31-08, 0700/0720/0740 UTC

425 425 425 1 1934 124 1934 124
17197 19590 68677 71856 36028 90376 01057 03388 85484 47994
57551 89461 19350 48746 87759 25740 06483 26678 52961 41894
20105 32815 88014 51534 59674 16172 55510 23013 70133 39172
60994 86812 50003 64607 18499 94340 60031 73848 90272 14888
60647 90673 40853 29813 40983 01766 58131 99134 82382 84243
52900 28782 14034 27130 30524 20640 81780 87950 85295 44645
17712 69867 37209 47937 06488 87405 75475 37829 94375 71510
44331 13634 90693 08798 02602 04294 51078 83629 45995 48330
93233 59608 00356 86307 45487 07104 14550 39711 14607 92663
22552 07979 14858 61173 12497 56925 99521 83052 87221 36045
37470 84265 38913 38510 57844 13559 27327 74877 53516 81130
08015 96284 44048 52061 23035 86730 55730 09539 44926 13306
07293 28212 26964 40435 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 designators

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analog voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

V13 logs and comments by Fspy.

15890 kHz, 04-08, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0347, 1226, 1585, 2681, 5260, 9925

Group Counts: 35, 31, 33, 35, 30, 32

3414 5149 3868 1196 1604 1866 2577 9441 8026 8435
7288 9135 6821 7787 4196 5168 4620 1224 8674 4693
4027 9454 1087 4171 7065 8032 8203 4669 3581 7939
2312 2201 5756 0800 7559

6442 4430 8524 6416 3895 1455 7161 4663 3688 8593
9999 6910 0451 2202 6800 4574 4940 6566 1252 2642
2875 5421 1535 7884 5992 4602 8263 9301 4452 6574
7371

9199 6778 6812 3056 0819 8261 8352 1299 7213 7046

1211 5805 9156 4697 9110 8484 5294 5662 8629 1040
1882 7758 0665 7063 6860 4517 7910 5886 2233 3115
8868 0802 5018

6813 7631 6421 8163 5239 2506 4712 9344 8461 2283
8704 5950 0350 0251 3422 6613 8378 2102 9386 7787
4395 5452 3585 2653 8451 2729 0665 0380 9155 2331
0872 8230 4479 7549 6266

6542 1608 5673 2011 9390 0396 8615 1038 4731 6610
3477 1108 7993 8027 6892 6728 0177 1713 7927 1425
3550 0140 8644 7036 8961 3993 5235 6182 6945 5571

6417 1640 9028 7490 1516 5899 0535 6463 5835 7562
3143 6428 0856 3295 8364 0464 7889 4701 5484 7657
0897 9208 3662 0329 9971 5352 1365 2727 6305 2471
1283 8171

Note: Wow!! Six units addressed in one message, this is fascinating. Notice how all the first groups of each message begin with numbers that are multiples of 3, and how four of the units have messages starting with groups beginning with 6. This transmission lasted 25 minutes and is the second longest standard format/non V13a transmission I've intercepted. I wonder if it's the start of a larger scale mission, or agents that were training with V13a now working in the field.

18040 kHz, 04-08, 0030 UTC.New Star Broadcasting. Station 4

Unit IDs: 0348, 5398, 9458

Group Counts: 33, 31, 32

1321 0124 2351 5606 8768 6550 8968 3322 2007 8612
6893 5024 3606 0319 3282 4801 4159 3344 3141 4496
8414 6176 0646 7811 4141 2324 7388 2166 0224 9052
6005 2050 6070

1560 5276 7130 8229 1696 5361 9968 6196 7284 1802
1285 2312 5753 3953 6691 6969 4428 8821 3350 3902
9376 5345 8717 0894 0857 1683 0595 6394 6926 8773
9156

3984 6763 7961 8532 2872 3217 1401 9317 5325 6730
0621 0950 4397 0885 0211 5927 2535 1484 6855 4765
7048 3582 4485 5565 2365 3872 8760 4792 8294 9150
6427 3489

21000 kHz, 04-08, 0100 UTC.New Star Broadcasting. Station 1

Unit IDs: 4443, 8918, 9692

Group Counts: 33, 34, 34

2879 3637 6470 2922 3877 7702 3834 9990 2459 7869
6746 2957 9991 1332 7865 5733 7812 9237 4147 4985
2738 5467 7419 3744 6277 3106 9088 8376 9952 9159
7007 0670 4804

8309 0115 9708 4984 6794 4502 4253 7144 2383 8942
2968 4013 3108 6286 4872 3317 6755 7742 8767 7445
0732 0218 4723 8235 6886 1743 2950 9631 4486 0215
6709 3199 1306 0585

6931 8078 9837 9981 4198 6631 9119 9291 6393 3145
6864 7597 2839 5709 7802 3135 0341 1148 5664 9915
2589 7039 1753 8948 4070 0290 1215 9719 0805 1950
0531 2052 7681 2997

Aug 8th

Note: station 3 reverted back to its normal format, with only three of the previous units addressed (0347, 5260, and 9925) and the

usual total of three messages. Maybe they sent two weeks' worth of messages by accident.

15890 kHz,10-08, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0440, 2658, 9580

Group Counts: 31, 33, 31

6300 0075 8505 4899 3613 5966 7784 8423 7451 0794
3490 5205 4117 1091 7362 9314 0625 0461 8628 9214
6111 3892 5486 6136 0875 1921 9506 2030 0066 8954
4460

8612 3676 2191 9324 1959 3361 7541 4409 0385 6453
6907 2155 5997 4312 7778 9703 1658 8453 3904 6544
4800 1956 6477 4846 0096 1151 6705 6198 0529 8595
5331 4280 1217

8861 8078 2675 6352 1613 4419 5588 7447 7884 2392
6126 7598 8058 3791 6365 6119 6111 9975 1840 5176
2152 4542 5367 7484 9987 2071 7023 9622 7036 7795
4008

20025 kHz, 10-08, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 1122, 1424, 8466

Group Counts: 33, 31, 35

4404 1268 6669 3354 5146 0144 7964 3331 4910 2196
6652 2392 7391 3945 9724 5868 7412 8309 5825 8526
3086 6940 7395 2818 4406 4910 4703 7535 8479 9229
7742 3814 0385

7454 8444 5752 8669 1414 1589 5937 5839 8598 4966
6154 1295 5579 1784 8925 2368 3508 2452 7907 4755
4641 7941 7369 3773 2111 9431 5560 3691 4165 3695
3604

3953 2021 7491 6041 7684 6319 7317 4997 0047 4865
4806 5070 2123 8194 6130 5147 7516 7278 2597 9298
9974 9295 1161 0865 8176 4214 9026 1874 6158 1853
2652 2235 7704 5816 5249

19052 kHz, 12-08, 0030 UTC. New Star Broadcasting. Station 1

Unit IDs: 2134, 3224, 7664

Group Counts: 33, 35, 31

6434 4901 0119 7211 0151 3456 4692 7693 4361 9090
3944 5294 6068 0664 1109 9744 8189 0204 5565 3706
5395 9806 7992 8763 7315 6710 7221 1711 8644 7300
6420 4706 7864

6008 2703 1622 2671 7521 1830 0923 9333 3606 0542
4783 9772 2609 0667 2496 5879 8702 0530 2802 3744
8459 2974 0491 8965 7713 0093 0593 6179 9355 9935
1402 6003 6799 0615 8820

9865 9652 2609 8416 7418 8127 7090 9563 5780 2403
8150 5266 9975 2460 5383 6421 2598 0560 5107 0842
3647 3292 7918 7261 5054 3269 4609 6272 0576 7907
1782

8300 kHz,15-08, 0200 UTC. New Star Broadcasting. Station 2

Unit IDs: 2415, 3422, 4842

Group Counts: 34, 33, 30

7263 4942 8985 8642 3231 8010 3352 4722 1693 9370
0384 8040 7746 3364 7788 6253 6722 8405 9851 9819
4661 8077 8072 3481 8058 1447 4412 5039 7134 3505
8790 6058 8907 4910

0689 2036 8582 1533 6471 8768 9314 5986 5548 4371
5118 0920 8073 8143 6579 4768 6858 1468 2538 4874
7406 7945 4469 4988 9326 3532 7267 9398 1719 4939
1845 1442 8737

2528 5812 6858 7032 7712 6607 7840 1399 6467 2317
4813 6385 7939 4042 6291 6873 6034 1293 3648 7861
4935 8413 7504 5910 1719 8166 1190 9444 4100 9672

18040 kHz, 17-08, 0100 UTC. New Star Broadcasting. Station 3

Unit IDs: 0269, 1243, 5868

Group Counts: 32, 30, 35

3936 0168 4964 4102 8701 5199 9824 7330 4524 6324
4908 9579 6611 2986 4073 7390 2873 3041 6141 9540
7415 6281 1176 6549 1968 0318 0855 6672 8891 5411
4664 0782

2268 9874 4687 6887 0397 6516 1489 0647 5948 9684
5009 4002 7939 1919 1816 9004 0037 1329 7050 8900
1615 0528 9342 7928 9088 1582 0144 7469 0782 9391

7518 4855 6315 1692 7200 8151 6681 7260 1478 4294
8813 8218 4201 5346 9517 7365 6084 5487 0107 2939
0850 2018 9187 7252 8522 9015 2886 1981 7226 2665
5602 1200 9033 4333 7079

20025 kHz, 17-08, 0130 UTC. New Star Broadcasting. Station 4

Unit IDs: 4631, 6225, 8404

Group Counts: 30, 32, 33

6581 4124 5980 5347 3071 3799 0839 9419 8465 4087
2537 5242 0838 2055 6643 1897 2968 3729 6600 0766
9715 2566 4604 2978 1116 6912 4652 2470 2134 7829

0720 0656 8439 4322 9783 2815 3937 6781 6955 3787
7174 5588 0858 3579 6376 8172 4089 3655 8570 1007
8779 8945 5179 9499 4363 6861 7209 2110 8740 2765
0274 9831

9554 8070 5293 7438 0284 5013 3446 9517 2228 8209
7619 6327 9186 5264 7447 9477 1998 1682 8348 4588
3714 4233 6446 0952 4513 2932 9781 7554 9300 9116
8931 8806 1983

8169 kHz, 18-08, 0200 UTC. New Star Broadcasting. Station 1

Unit IDs: 2063, 4970, 5442

Group Counts: 30, 35, 35

2813 8207 9686 2030 2426 8743 3133 3666 3174 8762
7463 5366 7839 1350 4324 1931 0615 9276 2765 4088
6733 2198 8830 7626 9041 8340 5166 1309 4738 0577

8497 6321 1771 5423 6772 1142 4662 3508 4748 3199
3612 5396 9458 3059 2000 1685 9057 7254 6418 7198
0943 3871 2904 9368 8067 3138 0738 6547 3856 9325
1341 0917 2124 0675 6405

9115 3911 4526 5800 5022 6879 7289 8168 0052 9447
1039 4275 6659 8424 1221 1092 7774 6018 8814 5812
1590 6381 8037 6638 1001 5688 2039 5445 4423 6149
0311 9931 4898 4187 2804

9276 kHz, 21-08, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 3142, 3582, 5414

Group Counts: 35, 30, 32

1053 1857 3537 8151 8064 6678 1818 9272 7824 2445
8152 5734 9025 5445 4081 7024 6468 6458 4759 6412
6640 4963 0558 2208 6465 4614 2799 3039 0179 6919
1045 7080 1203 9735 1171

9245 1755 2853 4398 6061 8017 0741 9918 1944 9128
4730 9708 5746 2296 4555 9238 5980 7540 0124 1723
4546 8217 5324 9967 4906 4676 6835 2255 1824 4671

6822 3559 5145 0876 8056 0157 6872 0562 0430 0170
4825 0106 5275 4222 7877 2450 8011 9192 6687 2520
1649 3133 5440 7184 6393 4394 8524 8596 5383 0076
7523 6188

15890 kHz, 24-08, 0030 UTC. New Star Broadcasting. Station 3

Unit IDs: 0416, 3614, 8493

Group Counts: 35, 33, 35

9520 3704 5439 9534 0096 9220 9772 5408 5905 3522
3827 0798 9535 8583 4144 1864 8935 2238 3956 8313
4816 5140 7687 8388 4908 3504 8931 0978 5037 3229
5219 7949 5765 0531 8248

4759 4374 0384 2292 4762 3641 0400 2118 2591 7529
4483 0132 5341 3938 4242 2350 0188 1302 2847 2482
7452 9009 1307 7548 8258 7895 1266 1816 8902 4342
0729 6773 7682

2035 2952 8459 2910 7292 3148 4560 2900 4389 8456
2082 9181 9906 0663 6489 2591 9102 4420 6905 7219
1162 1960 7915 1570 8167 8225 1367 1367 3690 7221
8950 5280 4777 0359 4537

Note: in the third message, groups 27 and 28 are the same sequence (1367). Great signal quality even with the radar pinging in the background.

20025 kHz, 25-08, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 2517, 9180, 9827

Group Counts: 33, 30, 35

7458 0317 3359 3977 1586 4429 3256 8482 5710 3420
7438 4021 7923 4791 8165 0715 9326 4912 3274 0979
3254 6084 3808 5920 0403 8169 8893 5341 7827 4901
7081 2019 8595

2860 8532 1264 8881 4521 6038 7842 6287 4675 8172
4106 4875 9930 6893 6152 6577 6282 7639 4158 1888
2812 0008 8415 6993 3705 6030 3369 6058 9661 9856

6237 0151 1973 8440 0346 6764 5432 2122 2425 6652
4400 9454 6875 1910 1638 9589 3436 8646 2192 7516
3887 2682 3670 9955 5198 6433 2570 9433 6625 3196
3438 6819 3512 3947 6195

8169 kHz, 26-08, 0200 UTC. New Star Broadcasting. Station 1

Unit IDs: 4477, 5270, 7829

Group Counts: 32, 34, 31

5118 0483 8073 5992 8212 0593 5691 0469 9989 0687
0874 9473 6173 7820 8668 6782 7533 2353 0847 4059
2725 4249 3540 5945 3755 5148 0258 6761 8352 2392
3816 9506

8416 4411 9303 6009 0839 3639 6413 3169 8348 4845
4151 2309 6272 6678 6899 3360 6612 9855 0000 5800
7106 6899 5878 6597 8293 6879 4845 8845 8689 9231
9306 2305 8880 3268

7543 5420 5160 7808 0118 8496 4451 4977 9519 4499
7733 8917 3267 7881 7700 1894 9799 5188 0652 0700
9665 7944 9406 4071 7818 2777 4578 9930 3817 2352
6749

Note: radar in the background.

17000 kHz, 24-08, 1000 UTC. New Star Broadcasting. Station 2 (Thanks CryptLab)

Unit IDs: 2125, 2585, 5571

Group Counts: 31, 34, 34

2776 2824 7883 2604 2438 3145 4974 8140 1985 5620
0303 1366 2868 6125 3133 3081 4522 6610 0375 0327
5374 2669 0206 6114 1932 5554 8380 6545 4962 5212
8154

5488 5183 1436 6227 2961 9773 7590 2634 0404 3067
3208 1488 3868 6138 1919 8309 8933 2395 4779 4477
2917 3142 2865 4919 5406 8746 1627 3077 4607 1620
0787 7756 7405 0441

6892 2417 7826 7488 0884 8617 3630 4383 9984 6074
0795 2283 8004 2822 8735 3008 6569 4930 5789 8020
5251 8597 3202 5645 3119 4543 2877 9423 3720 7673
3714 9369 6626 2323

MORSE STATIONS

M01

4903 kHz, 05-08, 2000 UTC

025 721 721 30 30 = =
43517 79154 22091 98376 11526 27162 20187 36514 65788 98165
43514 54673 41231 66154 76905 44098 38716 24152 35554 15421
41325 65142 26514 17261 27615 26514 43511 51421 76152 11527
= = 721 721 30 30 000

5280 kHz, 07-08, 1800 UTC

025 054 054 30 30 = =
23485 54586 86581 54848 85848 85495 95848 85495 95485 85495
54568 86598 86598 86950 06857 58451 54568 86568 48568 80000
48568 86958 86950 06854 76859 96050 95847 75485 76857 76857
= = 054 054 30 30 000

6435 kHz, 09-08, 1458 UTC

025 303 303 30 30 = =
74932 49120 56883 47892 09876 46789 44789 12309 43278 09874
18923 45678 09823 45678 24210 00102 34987 46098 09234 65709
32187 43421 49883 74670 00237 73987 43267 87631 89090 43751
= = 303 303 30 30 000

5280 kHz, 12-08, 1800 UTC. Only 28 groups were sent.

025 692 692 30 30 = =
28695 28960 73920 10475 38290 48390 38402 47389 44859 48390
57489 38290 37231 73829 90479 35572 37289 48301 74832 84930
20195 50048 38296 08290 38290 37289 46589 38291
= = 692 692 30 30 000

4903 kHz, 12-08, 2000 UTC

025 537 537 30 30 = =
74803 85038 13683 83063 48301 44097 82015 80495 38202 49604
37820 38026 43389 89367 38594 29019 37260 09439 28407 38206
75849 78409 26048 13579 46593 49302 47381 84909 46399 36274
= = 537 537 30 30 000

4905 kHz, 14-08, 2000 UTC. 4903 kHz expected.

No group count at end of the message. Errors in red

025 538 538 30 30 **0** = =
64738 27493 81165 73029 88607 00779 26305 11869 26407 00296
66650 24319 65771 85920 65746 93265 92746 45729 **000186** 00186 93526
22648 11108 65740 06850 25364 11964 22089 03521 24386 13246
= = 538 538 000

6435 kHz, 23-08, 1459 UTC

025 224 224 30 30 = =
99806 24321 45786 39908 47586 22543 16577 36354 68759 37768
87565 26534 38832 15436 66754 39867 09890 47681 37648 39876
88768 36476 25403 96875 46654 25436 48769 09908 47658 49800
= = 224 224 30 30 000

5280 kHz, 26-08, 1800 UTC. Sent only 29 groups

025 710 710 30 30 = =
00583 17050 39201 50501 00574 18490 17590 28375 01059 65038
65593 01625 00690 45385 15497 84538 00235 74930 11075 04739
00057 86759 54850 55380 00685 54638 11978 00564 98079
= = 710 710 30 30 000

4903 kHz, 26-08, 2000 UTC. Different repeat in red

025 535 535 30 30 = =
56540 71895 00564 58430 41526 85725 91008 65574 82530 00584
00065 91438 54038 01325 **01352** 76859 03556 12284 07650 05064 65534
05564 81324 76850 64739 81240 86055 00675 00463 05133 06050
= = 535 535 30 30 000

6435 kHz, 30-08, 1500 UTC

025 455 455 30 30 = =
54857 75485 76585 76857 76854 76859 96845 86958 86958 86954
85498 86958 84735 76859 96857 76857 76859 96785 76857 76859
54857 76857 76859 96857 76857 76859 96857 76854 76857 76845
= = 455 455 30 30 000

12162/11566/10711 kHz, 1900/1920/1940 UTC

12162/11566/10711 kHz, 02-08, 1900/1920/1940 UTC

546 546 546 1 7534 58 7534 58
 97521 83397 12575 26754 18700 88313 15018 89587 39964 89569
 81265 92656 83956 15375 34642 20035 38706 41696 75564 10806
 50985 10240 73329 05297 64458 44125 08650 04517 50827 53950
 26412 27200 05300 68634 87828 40049 40997 42093 90274 70268
 30004 38072 35954 78794 57461 58920 11967 56504 59127 34342
 69333 25765 90883 63903 37862 87281 10067 07277 000 000

12162/11566/10711 kHz, 09-08, 1900/1920/1940 UTC

546 546 546 1 7296 61 7296 61
 28188 21203 66454 72801 08200 80866 82999 51589 96625 40283
 20752 22996 96484 43210 01134 02787 97165 19655 42283 49342
 88065 64326 32216 82017 35237 22310 91187 22897 78167 52772
 72194 10160 53174 21739 33470 02390 67912 37208 15921 88327
 53044 89434 41750 48152 37184 08026 88342 18387 58682 11958
 69780 56746 37182 61092 81856 63861 88986 84435 37564 85889
 89677 000 000

12162/11566/10711 kHz, 16-08, 1900/1920/1940 UTC

546 546 546 1 8550 56 8550 56
 95736 74587 59819 44166 89779 66784 68410 04321 99389 82160
 40861 39637 39606 05190 38665 69045 62277 32077 18545 66034
 04193 17483 33270 96176 46486 01632 01854 34930 69348 49528
 59754 76760 84574 49768 40992 16253 62720 96443 88763 12146
 38888 10454 71839 63260 40854 16063 98351 74632 28895 68912
 67552 44713 26499 48985 24232 78252 000 000

12162/11566/10711 kHz, 23-08, 1900/1920/1940 UTC

546 546 546 1 5335 58 5335 58
 30520 01358 42620 12185 44273 81113 31380 53603 99389 00570
 97557 46483 26259 64583 61104 93515 89106 37705 75284 86518
 12684 04681 39412 37361 51516 16904 46618 82218 90590 02016
 81599 21532 68427 24913 69956 33449 10010 45100 39260 01197
 90020 80294 01558 00236 38296 27915 27407 58711 02729 13883
 93024 96125 31220 99442 90772 25939 61944 05259 000 000

12162/11566/10711 kHz, 30-08, 1900/1920/1940 UTC

546 546 546 1 4320 59 4320 59
 92393 55103 16256 74118 38702 49445 27210 23270 90284 72047
 20855 38689 96214 92079 19156 76516 04079 07860 69910 58566
 79370 03135 90619 23483 77667 32695 16916 18570 26620 66070
 78890 46315 17019 00751 84689 50705 92558 70885 68429 43225
 56510 35021 44846 55084 85584 63808 47725 63949 69737 92445
 34005 60593 68551 86765 12856 89258 64482 92772 96440 000 000

12162/11566/10711 kHz, 1900/1920/1940 UTC

12162/11566/10711 kHz, 06-08, 1900/1920/1940 UTC

546 546 546 1 2584 56 2584 56
 74338 83020 13057 67973 62558 39579 26575 85330 64610 68822
 79323 51676 22333 77005 02928 14317 23083 18573 74178 90356
 62346 34056 75440 02555 88068 56667 95607 38455 55166 36878
 44016 84649 94511 38711 23871 35565 49944 25719 23178 39311
 00444 08570 12255 33015 39539 73439 83069 55381 81820 27304
 36806 47090 59473 44017 99638 40281 000 000

12162/11566/10711 kHz, 13-08, 1900/1920/1940 UTC

546 546 546 1 3639 56 3639 56
99887 82065 85296 22792 50726 01627 94078 44560 47280 85312
42622 20756 37819 55780 27441 91022 81532 36553 97358 93689
55387 38277 64485 93809 81543 56988 67354 30631 41619 61115
59203 10024 38283 78603 43323 48748 04592 34263 73789 69142
90685 41484 22865 97957 28897 69891 61195 91035 84692 83118
81335 62235 67932 87503 73777 61610 000 000

12162/11566/10711 kHz, 20-08, 1900/1920/1940 UTC

546 546 546 1 9060 59 9060 59
74919 20359 59206 07761 71202 99417 29229 54352 09152 45541
73656 67722 41948 16127 16466 70670 64140 57772 95004 51800
47771 92025 35320 69863 11627 44918 44204 55852 66729 64068
74787 52202 01759 95407 75938 33898 37698 46332 60768 36938
12802 82394 42899 68661 30249 36625 07863 07012 42281 91515
92135 28081 22370 02371 32907 82893 85038 89342 96133 000 000

12162/11566/10711 kHz, 27-08, 1900/1920/1940 UTC

546 546 546 1 9826 58 9826 58
77654 29474 19024 87547 66820 55935 20698 63734 86062 83615
83895 78726 63926 25930 16393 77917 77387 39886 23630 18632
42292 89166 95155 09516 85298 28046 61649 47957 13151 36367
24914 14397 06899 39096 33007 19233 34168 22070 34713 42584
16528 84589 12943 91596 19156 52929 68777 74721 41376 83371
72501 41407 32210 67953 46982 88486 30317 09507 000 000

12189/13475/14643 kHz, 2100/2120/2140 UTC

12189/13475/14643 kHz, 01-08/02-08/08-08/09-08, 2100/2120/2140 UTC

146 146 146 1 6343 83 6343 83
81851 80645 10703 82770 14447 93904 15512 16602 14385 06869
61303 19057 25832 63247 85473 74079 85862 40361 28410 97506
67554 60414 67114 81451 40211 74596 05020 02161 55293 20466
68964 41699 28029 86167 61401 86949 23012 85825 23458 37921
68123 65881 60788 61004 56326 50138 58022 14047 40627 47288
44529 98243 62018 56902 46118 57400 25317 07949 16293 72872
05086 07520 85185 32599 21311 56682 69467 35576 15759 69628
88903 64646 44694 48602 66258 42751 53447 10627 13670 14546
83850 18969 05242 000 000

12189/13475/14643 kHz, 15-08/16-08/22-08/23-08, 2100/2120/2140 UTC

146 146 146 1 2506 216 2506 216
94011 89746 42644 91182 18079 06132 81647 26203 20009 43533
40641 59421 01929 41383 15624 30372 82555 92738 46032 58005
81040 58701 23891 72265 44643 08291 86320 31728 50962 91837
26056 04603 28037 18273 02018 68951 55461 55306 40954 87075
40261 23874 28109 79505 60185 39266 84877 11789 95061 47476
41140 06901 20849 88769 91448 95581 57497 59729 99579 43455
53383 25700 59122 56059 86538 48984 82643 53526 95542 20456
08978 55209 47363 56312 40238 92761 09068 38477 47160 11627
93440 95512 06337 47087 72011 29335 96874 35996 65072 85026
66906 97787 61295 91557 82995 79095 15416 09369 07826 88141
46493 97715 59322 22624 91317 45018 58786 04173 39476 04621
75422 29897 41605 21858 40833 98046 78077 71083 99274 50674
11418 54731 75717 11379 15058 59658 81544 15875 07888 64814
73717 47060 75540 57726 82958 64790 33858 15623 48551 30657
00580 97663 91881 10197 09456 29825 39624 00571 15237 86950
42983 36845 41278 95177 27131 29090 23571 54709 56327 80717
51224 54348 60209 26893 81872 97536 67619 45142 81702 84213
33489 30181 17979 19009 50280 11489 68815 86368 52651 16256
63120 81150 03512 32598 38004 22318 83443 85822 42602 44095
94892 28765 89549 27903 38164 48564 50169 88834 41464 84471

54621 06524 20641 88176 14462 91434 45485 14517 37047 54291
43631 20351 29971 05839 63317 14189 000 000

12189/13475/14643 kHz, 29-08/30-08, 2100/2120/2140 UTC

146 146 146 1 8847 101 8847 101
67319 01579 04420 50837 13235 81049 18293 24811 75359 64252
45115 19623 72925 30077 95327 59789 73084 18884 01481 17109
69615 12381 34780 37090 26039 47451 26933 62346 70344 47653
42546 93824 49146 02101 46695 50960 69363 40097 08752 05586
77714 73888 39220 08413 56147 78020 11417 19309 16526 01637
99497 70460 20435 22100 90093 04571 83986 37451 83230 99470
18726 89788 55191 00063 58681 12028 61933 60861 41109 58920
15193 06857 30852 13026 41292 05422 64430 45654 08959 98380
45378 43178 83014 34433 95551 49230 93271 10414 88191 05993
69199 61418 79266 29615 33358 71234 14288 97177 22957 51422
49425 000 000

13386/12189/11491 kHz, 1230/1250/1310 UTC
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13386/12189/11491 kHz, 04-08, 1230/1250/1310 UTC

725 725 725 1 2679 144 2679 144
14811 04357 96498 78456 63685 25757 11674 02734 57787 48413
54664 26455 08955 81972 82304 10244 79181 93196 29932 51103
98524 26150 28409 25776 42036 36683 98472 58179 83875 63595
19691 36194 91985 07435 73094 19978 66906 55294 07778 94804
21916 29114 63497 56967 40116 17596 10897 06141 96895 51793
63940 06987 84332 62696 84050 41965 75946 70721 36420 27002
27284 53494 18857 94191 28721 18470 34469 01520 08877 62326
43336 23887 85417 35126 29187 69410 62651 71440 85659 24439
25785 92330 61282 32082 99653 12703 51860 29289 23383 31129
44030 96184 18874 80774 67520 68420 10256 69305 28246 21646
83126 09377 97263 34568 08457 40053 21569 49206 33508 14640
79313 04506 85061 11980 01217 34952 92210 86774 94537 16018
66608 05179 78135 77747 18296 47151 05013 04642 67605 60765
59154 93345 43194 64012 41312 16407 95066 26713 23624 59599
91133 02654 95779 08743 000 000

13386/12189/11491 kHz, 11-08, 1230/1250/1310 UTC

725 725 725 1 2452 138 2452 138
03035 15401 03318 63236 27502 36387 31218 87450 47447 80326
70040 82713 78454 68414 28589 88620 27057 07450 49898 65152
40581 46404 88179 66227 10041 61472 04320 78487 94660 51216
87511 60663 84204 57738 95366 35806 66472 31803 40941 06102
91260 98163 64387 56759 36573 02211 11894 88230 14969 02704
71089 60135 96907 86940 19947 56629 27220 37090 53195 66028
32067 52729 92788 96229 92813 09377 98507 20716 73046 92781
22147 95253 66508 43795 73891 42416 82015 31419 29654 07830
49578 16088 63518 91956 80126 27375 63755 97263 37791 38737
08586 29382 78607 74911 74034 38530 05374 68156 63944 27195
03702 91177 15184 22186 80555 75835 93626 53111 13048 77529
74612 95800 07435 45364 16450 15979 89210 00832 16103 65438
45621 01244 82923 34309 84195 92764 16646 91595 69760 35360
37041 13858 67473 02459 04127 58399 00903 41332 000 000

13386/12189/11491 kHz, 18-08, 1230/1250/1310 UTC

725 725 725 1 7775 142 7775 142
38941 40425 95349 18206 50706 68338 51189 89081 60824 36388
71444 88423 15132 97126 24406 96692 32816 01723 19447 11981
58259 78179 13571 76891 21608 99697 79289 13781 26323 23619
62533 85870 65681 47315 91743 76480 50758 33614 48658 15527
29254 30372 40961 30733 19918 34150 06783 72551 38276 87294
27799 46327 55551 57044 16927 60761 26853 18457 96597 51007
89047 37408 62757 37205 73854 85572 22742 67815 05383 47925

45934 99301 53063 03919 82726 27887 37218 82837 56973 87456
92914 06738 75503 39028 00820 16205 30318 08637 30388 30982
49626 32300 36915 97650 26478 91844 67613 03756 56877 34344
11408 38967 67168 90349 41360 23497 93262 51631 74316 89038
23542 04014 61483 09140 58092 82309 61904 23729 36385 57648
55253 14105 37426 74399 98297 13633 62385 55412 77439 90880
60273 33462 25959 22628 76048 53946 39569 85152 97666 77321
22942 78685 000 000

13386/12189/11491 kHz, 25-08, 1230/1250/1310 UTC

725 725 725 1 6752 149 6752 149
90899 64903 40132 25728 97797 73868 99448 26453 96835 33926
80557 27759 96273 19680 12242 74643 18866 18654 05454 91861
18225 15110 87352 06863 90168 01900 47439 95018 78967 49520
13799 09122 63668 13517 00643 92322 12950 99366 41196 92498
60867 92160 52102 17163 22349 05577 38171 21315 36037 04602
67002 08613 24233 76061 81590 75788 77549 33268 35558 95896
26429 04429 47484 47315 20126 71435 64089 82755 19036 19919
61692 19499 77456 12954 30993 26064 63006 70189 84513 84591
63728 26124 58981 74364 82516 05186 84888 87606 31926 24854
14772 79680 63807 45298 66069 56438 44676 04787 97035 50913
41486 55414 02278 16117 42909 47503 31155 11278 45067 55526
12781 07359 48754 50966 32167 00304 45407 73118 64797 14940
86545 76482 50829 94181 05147 82010 55690 32158 46884 74554
81386 58219 73153 33599 43104 08313 23846 42863 31455 35013
74029 73609 02538 76398 12072 07412 30926 12841 13130 000 000

12148/10648/9148 kHz, 2000/2020/2040 UTC
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12148/10648/9148 kHz, 04-08/07-08, 2000/2020/2040 UTC

374 374 374 1 9987 209 9987 209
30653 76821 02048 59392 11371 49172 33139 86151 55655 35553
63829 59285 95088 06256 65366 57619 46115 99354 84193 67429
70478 53842 29290 33426 27362 64597 07760 98253 04923 78995
33848 34794 70373 00082 07897 68518 98200 09047 92343 62939
04709 40406 95589 13214 17779 39581 85679 99444 38865 83459
69899 29644 04374 06900 21548 67349 57711 94763 21462 98057
50696 75859 58288 95653 53051 77300 64970 42498 72775 62574
86103 27465 71991 01876 43716 71839 43546 18645 14617 57357
28918 47277 44061 23110 87423 01109 97563 73936 43697 23185
25999 58164 95919 32541 81765 55576 59608 05468 20822 07217
92129 95981 29340 88986 84734 51988 34376 92234 68630 07696
41291 72562 45236 08022 05747 78456 12822 29173 01638 60474
67962 63562 32897 51023 26464 94993 15412 76894 77666 82850
76839 13115 58531 96961 36464 71321 86852 56021 96592 00223
84970 79764 41150 25537 19717 82901 60085 68224 37363 80826
97428 01913 69968 19100 12975 93965 85692 31531 37032 45316
64292 68167 66682 33086 82836 17641 70552 33045 64543 60807
20606 45566 79665 86580 00219 34546 37601 65843 84395 93933
50234 40715 93643 52241 83486 56548 66777 25603 75761 09939
33555 95587 35336 53918 87258 89186 60404 25831 79521 89147
73097 67088 18069 03088 15329 86577 98395 28685 76056 000 000

12148/10648/9148 kHz, 11-08/19-08/21-08, 2000/2020/2040 UTC

374 374 374 1 2989 139 2989 139
63392 41495 48090 82251 69177 11630 83546 46404 07263 18614
84578 10088 98851 74405 26204 64747 55597 65582 18080 84512
36987 51794 69343 92899 58922 47489 75620 81795 44360 97838
54967 09939 22998 06804 06123 36757 02509 24045 43073 30862
63895 77615 01798 48742 40668 75562 38899 16629 03105 65863
70727 58954 15736 09215 15346 51679 74699 98564 86797 43269
68389 10281 44901 97278 59559 30708 83145 25806 91084 82882
16963 65831 35342 17646 25168 56105 46770 83996 21200 87388

33417 88896 12034 91078 80360 83400 47618 23175 35857 51354
26256 80056 23081 89459 66557 82802 51054 61294 17495 25453
74108 64003 16627 69441 72334 88295 68090 89854 15523 98836
24371 55233 48055 09081 40212 98477 17454 46281 61201 29649
58626 17304 36314 17634 73739 16927 90853 59039 78815 59719
40322 51436 36682 64430 55118 80985 10556 46459 26065 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 05-08, 1100/1120/1140 UTC

289 289 289 1 4578 58 4578 58
58152 36513 83791 36073 83331 55627 44368 32916 16891 24577
20481 57045 56552 32728 50208 22266 47133 37812 99621 47113
45962 92690 53481 88946 73753 38799 12115 45078 05030 89217
69770 53126 06829 26363 77267 38064 91195 38278 83977 46535
98992 34794 12861 97714 17717 53055 50654 92418 74964 40391
97592 89576 23945 64257 38333 64461 83030 94844 000 000

11519/12194/13407 kHz, 12-08, 1100/1120/1140 UTC

289 289 289 1 4830 59 4830 59
65053 09677 54067 21292 59226 76502 56395 38338 77842 51049
65921 21558 59982 00022 72046 25903 71833 41324 27798 72705
66695 47797 85567 35578 18160 87003 11107 81869 98483 93435
82968 47952 94919 56804 06721 97295 01047 74746 12339 45880
98799 86912 99943 26036 04078 70318 18403 35649 79711 45037
33365 15452 27062 69699 20334 17256 24108 18488 03131 000 000

11519/12194/13407 kHz, 19-08, 1100/1120/1140 UTC

289 289 289 1 4236 61 4236 61
84543 46044 98508 97976 62780 18995 48053 96082 37825 99200
35008 22170 61532 14012 33701 39426 98654 23771 65944 03375
02133 21288 21152 46878 31077 34005 14657 78905 39634 34687
24370 61495 52681 11973 57611 63496 50788 36297 56405 56047
92270 67873 86379 00253 07100 77287 95025 95182 45819 92321
48598 63352 10646 69420 89155 63255 24891 51630 66899 28774
04337 000 000

11519/12194/13407 kHz, 26-08, 1100/1120/1140 UTC

289 289 289 1 1441 64 1441 64
81564 12086 41038 92247 66400 14919 93644 09893 35742 98866
82197 78880 61846 05775 70573 29466 06687 01380 32408 16917
56059 07259 11553 30810 73080 95602 93790 21729 22883 34482
77367 84429 55153 90093 84309 55954 63097 14329 04210 05275
30734 06985 77429 02014 55513 08934 66625 89138 57539 74269
57484 47525 04054 14892 40009 74305 00532 10228 19166 70796
21127 71914 87009 01259 000 000

15931/14831/13531 kHz, 1900/1920/1940 UTC

15931/14831/13531 kHz, 06-08/08-08, 1900/1920/1940 UTC

985 985 985 1 2701 118 2701 118
92933 35132 70399 27454 15922 37977 64162 58146 76293 01447
00608 06362 77197 49636 48639 41190 29016 94171 29810 81498
88629 69348 33891 24576 06029 03756 64988 68755 61440 38300
56820 93091 16097 03303 30126 63295 39142 84976 56418 71369
66469 98266 38903 34161 62519 63023 42238 33256 83076 70528
56474 95226 34482 29207 05613 50843 46252 86247 42337 19046
93785 84128 27135 33678 09294 92619 13764 95035 81282 37650
93391 58263 53247 41562 23162 94057 30605 48156 70406 51283
09816 25111 69538 09592 69523 76210 44998 38744 51372 42438
14753 00516 69558 86710 84953 02383 72666 40343 78403 65624
89145 36113 82619 03322 38711 84966 37908 41098 47991 51223
04934 03615 05635 36301 71160 74497 85493 46137 000 000

15931/14831/13531 kHz, 20-08/22-08, 1900/1920/1940 UTC

985 985 985 1 8906 124 8906 124
 16653 11309 84484 64252 96706 74156 64071 82216 16806 90723
 54032 07477 65158 20945 75693 12839 42619 01138 12061 06679
 76113 13692 90667 63938 22627 03523 45621 88359 11433 66051
 29684 72782 07153 38796 93427 96877 51655 07808 77908 28564
 65374 99649 25441 64375 14128 62621 22477 29583 38536 13388
 03698 28553 82415 73921 54514 39156 88128 39721 17391 87580
 66429 36623 45095 84008 20265 35042 44766 53382 97081 65636
 40025 77868 53675 86604 70194 50116 54955 56698 59819 73878
 46409 82970 94830 49331 39096 11322 22811 80859 75945 69866
 53747 41606 51791 96231 46441 24393 00096 36073 82982 78765
 25319 76974 76964 12973 76614 70938 16883 89609 54587 07334
 68447 79084 86947 35458 90625 98010 07223 96521 23598 31439
 46008 41671 43755 97865 000 000

9176/7931/6904 kHz, 0400/0420/0440 UTC**9176/7931/6904 kHz, 07-08, 0400/0420/0440 UTC**

257 257 257 1 3818 147 3818 147
 62236 16206 65406 26897 89981 33765 37000 61726 89634 86194
 75271 53502 94318 26864 99688 61032 82647 80706 24777 67831
 14533 50347 97130 96351 49532 47119 17480 61249 81983 98225
 74557 97766 78274 37523 82E09 21051 47994 07963 21923 60685
 29152 73615 68894 91682 44445 77723 31539 83538 24635 28055
 56601 05715 90735 79931 77674 11888 19075 69053 77363 42861
 16284 75749 79742 91408 11637 77504 75226 56794 44554 78637
 13037 74683 58782 64101 38679 40916 81452 05447 51906 71807
 15580 33941 36614 53927 41623 68841 07030 98342 59847 70420
 01976 78939 30598 79060 44401 53402 93872 77484 80045 66939
 02497 74743 38984 45996 15017 81917 46931 26634 41252 36758
 30435 13627 17146 05556 27281 82341 39134 25814 49784 42794
 70473 76883 96945 74132 76661 34097 44084 79720 19700 85275
 47042 03967 25400 84966 69310 40835 94956 90616 38910 59705
 21909 80395 57090 23089 39984 88347 61793 000 000

9176/7931/6904 kHz, 14-08, 0400/0420/0440 UTC

257 257 257 1 2751 139 2751 139
 35956 94160 18987 72853 15046 35100 55999 08320 57984 23886
 10330 32893 53969 15994 04114 85385 28083 16378 43870 69268
 58509 12302 71929 86981 85527 72045 59900 82186 85961 87321
 92019 80098 38304 16847 39326 61924 59233 17232 13956 53624
 51502 14870 32372 08237 10352 67471 45647 93636 00792 06039
 40635 27250 90652 54774 05349 13653 22231 32005 87324 42999
 75199 73811 22357 70661 31865 20230 94587 27121 76666 42188
 26151 10850 02422 90244 17765 43638 79928 63691 76629 18056
 26397 66262 81393 79922 46685 64759 99444 83529 11498 25673
 39693 27228 29906 70955 77424 77689 92511 61709 76370 90120
 72883 18525 16969 58603 79886 29784 24838 00408 37009 61710
 33723 58538 55374 69268 16602 08937 92416 42434 23976 67105
 20784 11057 15623 50993 02494 98922 80943 31466 11820 40074
 51125 18218 87320 86507 45171 07872 49292 22790 00036 000 000

9176/7931/6904 kHz, 21-08, 0400/0420/0440 UTC

257 257 257 1 6181 123 6181 123
 24895 26893 06250 20880 86497 60115 23489 28839 52921 76586
 27439 40800 77193 99693 73953 11388 37661 94941 44293 44106
 34037 43105 23240 35755 03933 91958 01980 80209 37270 43879
 33414 93311 57192 61226 58023 61475 59268 19769 66492 04719
 97622 74141 60155 31694 12377 40542 12340 77844 18805 95854
 79529 92120 21785 03470 78886 82788 03653 70404 16947 94538
 58135 43279 91567 09042 43172 34126 83607 15967 41669 12477

52118 17891 28448 39573 46482 59895 81948 91545 23377 63389
79617 24134 61404 41414 64349 41292 71526 53721 82338 75233
57822 88773 02822 71953 46583 54343 82572 51113 88520 78250
56934 96372 36175 06328 43736 61637 63672 82210 56987 18991
00840 12107 47116 53556 14920 34000 81874 50152 44691 01880
62598 29885 33627 000 000

9176/7931/6904 kHz, 28-08, 0400/0420/0440 UTC

257 257 257 1 3353 122 3353 122
05928 63400 77572 69034 29859 28006 18981 11161 68638 40959
80509 93290 13718 69809 90571 96819 67892 35352 49628 08386
47498 50488 92849 21790 84899 89338 19510 15395 09257 34803
80925 25641 16196 68213 17664 17024 34579 53109 33563 25020
50189 42888 52814 97092 98792 60474 32735 66539 89438 84148
75450 01983 28672 00754 62130 55439 70549 55781 84133 40520
08495 03586 01904 33834 60032 54867 70194 45504 52144 73546
62240 14782 01789 24607 58195 04600 97673 95755 22997 24425
56602 52970 25955 25107 59352 78941 96967 15441 06082 62224
46473 78796 68974 93051 16524 46603 40994 18980 37060 43925
83379 87230 14394 15891 21907 60667 00194 04065 42557 57530
57764 74793 32784 59708 83916 55524 77629 76795 74480 81089
57898 61652 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC
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11435/10598/9327 kHz, 07-08, 1800/1820/1840 UTC

938 938 938 1 7969 77 7969 77
15658 87048 12594 16066 01214 02388 79756 61046 65995 09509
35440 87556 36559 03438 17346 06863 07085 25741 88840 55716
85938 29639 37506 08926 34564 16539 17130 73917 14759 05525
41300 13457 61784 03977 50781 81508 05883 95264 68662 26579
20589 55909 43286 82038 04342 32869 15477 35005 64504 14876
52365 34977 89519 86185 35957 86018 49542 03668 81500 84674
85256 05838 46287 60470 38209 21982 25771 32581 52656 35836
00979 11819 57078 62261 35126 30029 86352 000 000

11435/10598/9327 kHz, 14-08, 1800/1820/1840 UTC

938 938 938 1 9909 77 9909 77
05220 14018 62945 58950 82145 85563 22042 58826 24449 81804
27007 98775 73008 93979 17558 71437 17989 72173 17106 27342
08972 87457 60119 72683 30685 46502 79205 77126 79822 53446
94351 49595 90656 96200 09576 01517 41502 95866 60134 92807
09067 15349 92383 47901 09396 87487 34070 99275 41358 96538
47447 90188 94332 99719 34599 17761 53898 90261 28265 35643
06268 44914 79002 71002 87452 77411 01118 76800 84403 16040
29935 22122 12038 24297 18274 93621 95073 000 000

11435/10598/9327 kHz, 21-08, 1800/1820/1840 UTC

938 938 938 1 9259 81 9259 81
67590 24045 94849 34131 83163 51870 35935 87028 27965 32286
67043 93554 83250 74691 16695 26951 47933 89074 08288 93446
30144 79787 21944 09663 32179 09582 33743 19407 60076 78316
13938 81526 03725 24686 22877 57208 10360 70573 22617 02589
97652 63599 50591 66692 43568 49180 14880 05266 35706 04606
44375 22650 17494 07990 61464 87802 02100 85186 01951 73580
18127 16527 26951 49647 18347 85515 89829 58564 51814 59485
16591 77359 66456 05698 95792 66544 29196 55251 66093 82993
94701 000 000

11435/10598/9327 kHz, 28-08, 1800/1820/1840 UTC

938 938 938 1 3767 83 3767 83
13954 02526 99404 39368 31151 43438 06813 43171 04774 84525
69916 72651 50830 03039 20067 66551 87710 03741 47258 02722

38147 51472 92918 32996 74819 63297 22816 71180 33987 82473
49926 43314 73134 14259 47509 88767 72847 28981 05607 63262
79766 60344 16078 83895 02352 44972 96374 75114 45574 78670
34814 65121 48400 55248 47913 62480 09607 66408 64548 57853
20621 35632 09183 22209 34598 26602 99516 36559 55528 31299
93702 50728 98132 83995 22955 75101 35393 09023 30643 29847
66921 47701 25605 000 000

13457/12161/10928 kHz, 0800/0820/0840 UTC

13457/12161/10928 kHz, 11-08/15-08, 0800/0820/0840 UTC

419 419 419 1 8476 198 9476 198
96272 78534 38675 14395 38917 54690 01506 84855 93711 93230
04053 55263 19357 79476 20397 78306 83285 56952 36721 64780
21981 26830 56152 11209 54410 43423 85888 15475 60851 27068
35500 97681 33829 31968 31711 49121 37116 04729 14964 01355
93309 23923 41711 09361 13593 61423 39937 89994 82752 06251
97032 16245 73699 45549 45001 65754 78349 17468 00417 01954
24855 57130 57660 10545 80934 62419 53329 59622 71767 98323
23665 03775 43095 50221 22259 18341 95215 48480 67116 69564
93081 13698 75060 75588 62458 28021 56208 93755 92716 48595
75174 52818 17949 62031 96172 86674 62411 69411 37604 40985
22623 23185 81760 55324 10025 82574 55093 93491 88862 17442
95989 47324 90044 90457 55999 98392 29362 51611 26379 39838
36216 81121 48987 61971 82027 37334 90189 12253 94236 96587
21026 37399 67031 85647 73368 17374 63929 24857 41567 52178
91109 23877 88880 56252 22429 41899 08691 86761 73666 52846
45535 81732 06866 28206 99513 58348 31002 34364 41739 83784
76968 29254 90394 29410 15481 16772 94963 23928 68899 01168
82786 00769 45216 40686 12434 49723 94391 27972 59126 02209
77766 12035 04665 13228 34755 21829 02385 27783 78197 84778
71386 39510 68161 96877 46865 55555 22621 83374 000 000

13457/12161/10928 kHz, 18-08/22-08, 0800/0820/0840 UTC

419 419 419 1 6527 165 6527 165
83106 94026 24714 23106 08470 60043 50697 31409 88114 72113
16336 93063 27494 66533 23951 19398 94772 80749 45164 73487
33842 16217 82942 96293 00885 31611 32041 39428 90379 40230
27963 76810 84420 95283 29142 67188 02503 62738 72493 96236
41172 27600 89320 18586 75320 19056 67725 73005 69522 38180
95904 36732 29690 17001 74405 88724 09440 00247 46602 36807
31410 19644 25848 30031 21962 73402 25547 02423 44186 44840
68781 35343 80565 82486 84685 57972 58915 58024 58462 64630
97370 33350 81031 28153 62657 72114 70433 66306 24306 82698
27876 61752 16091 43025 06607 22511 09565 70360 60670 82875
44594 23629 36316 89647 09179 67098 13158 50954 41333 96875
02129 68524 37479 74107 80889 16931 05871 40151 99053 02316
89369 66545 66771 53304 40039 42981 94032 27727 62804 00634
35426 02650 74819 94652 85953 03582 43746 70471 19457 66390
22217 53511 37126 98629 74226 77824 41997 37222 49832 17115
16781 85870 87492 28332 33590 75710 93068 59842 38742 45803
24903 95694 10786 68856 84113 000 000

13457/12161/10928 kHz, 25-08/29-08, 0800/0820/0840 UTC

419 419 419 1 5491 118 5491 118
98239 14253 80149 84333 38863 76634 29236 02266 35635 14513
76223 83921 67126 82721 79433 29812 08571 32657 15864 66914
24386 99926 39447 16145 43305 30191 11192 32181 62183 23204
86265 87179 10299 61876 69101 23388 05466 72695 46916 55518
61312 15536 70148 18764 02028 44176 69195 43548 23941 08758
82180 72413 98991 88676 06180 55141 45075 77123 57166 07443
47514 65907 22547 66557 31939 37048 32381 84763 93319 28596
55924 61477 16302 53359 10059 37367 75174 23829 34261 48043

49652 26128 25559 01785 23035 12370 15401 19780 86443 97120
61235 52090 11269 80239 88572 65392 53702 09582 31285 77704
68569 34178 78335 34906 08163 71743 30324 40634 37013 13977
00297 65086 56914 77327 16606 03382 42303 35125 000 000

14975/13975/13475 kHz, 0300/0320/0340 UTC

14975 kHz, 26-08, 0300 UTC

984 984 984 1 9611 87 9611 87
87503 71114 23574 01324 91457 32730 83618 68405 56701 67311
99482 44795 03979 71587 25805 10176 92284 93762 39844 10780
36416 45391 71539 69317 62456 20738 10241 24341 80864 69810
70178 37882 50508 55367 80315 20655 28693 00897 53787 96938
31173 40101 23927 22354 36190 69769 23847 92035 60077 59872
40795 21184 22579 72059 65434 07097 07216 08956 75252 39463
69677 87245 68915 07339 45551 58305 27368 51247 28829 48135
49395 18658 89321 07086 11753 85805 30453 06824 53667 17232
59521 89972 07453 16472 47137 84507 42506 000 000

14408/13408/12203 kHz, 2310/2330/2350 UTC

14408/13408/12203 kHz, 27-08/31-08, 2310/2330/2350 UTC

442 442 442 1 6420 154 6420 154
61997 47295 13371 78646 35528 09770 83318 95323 83060 37715
36514 40594 03521 03712 46354 36210 37766 81520 64863 54049
66275 01748 54828 39469 09487 34627 70628 80920 31799 60482
68021 35317 89617 84317 52145 91908 26758 27484 83178 15675
99696 56436 11320 32711 91459 65661 60192 44679 87110 38975
68594 28012 87643 07207 74981 97753 95061 52875 89926 48696
77947 11789 79717 75742 07798 60801 97961 30549 32570 96774
68527 23018 80812 70986 91891 61279 86057 83699 45410 92898
23733 30937 99764 06992 22342 36908 70014 71889 84100 52374
31417 72566 00243 05115 41029 83669 78301 81813 02483 48952
29324 29962 27440 07924 57768 37838 77592 97527 51008 43215
54724 12576 89420 51738 73550 61945 38935 72535 71403 91305
04049 42047 37385 46791 73334 91652 96632 70321 11123 70679
65669 70331 47615 67379 02648 82334 37907 67449 83666 08913
40504 59472 22191 49835 19430 74905 94501 61258 97422 23671
62682 01281 24331 27579 000 000

Test/training schedules

The following M12 tests all used known frequency cycles and associated IDs from the fixed frequency pool. Furthermore, they used descending cycles starting at 1400z with the one featuring the highest frequencies available in the pool, then the second highest cycle at 1500z, then the third then fourth one.

14377/13461/12114 kHz, 1400/1410/1420 UTC

14377/13461/12114 kHz, 14-08, 1400/1410/1420 UTC

317 317 317 1 1046 70 1046 70
48303 37043 ... (too weak to copy)

14377/13461/12114 kHz, 15-08, 1400/1410/1420 UTC

317 317 317 1 8501 86 8501 86
00595 09275 97372 94596 62237 39142 13337 33688 06107 28490
51937 12336 72058 23885 00033 72784 79111 36735 97318 06644
58401 48386 28769 17602 38675 43405 12432 18052 84538 15722
68989 14672 94522 90914 62117 15588 68389 02812 08896 59120
66605 29783 64556 46575 50876 76667 68153 23418 60392 99477
61602 64350 40037 80046 16160 52208 80504 79769 55920 18832
26710 95283 49149 90384 59500 37264 17813 81142 61767 84444
04395 76298 27838 38197 40037 28618 83828 82192 66724 62007
75250 89013 57659 85060 54118 04638 000 000

14377/13461/12114 kHz, 16-08, 1400/1410/1420 UTC

317 317 317 1 7786 81 7786 81
89400 89690 67918 01204 62624 16409 02027 52976 35833 23254
92154 23967 64282 56874 09456 04419 99343 50425 25190 06132
01192 86768 50272 29423 57224 31344 89655 46138 40084 23986
32113 89883 15695 73413 39448 81887 49873 36861 76377 19220
47619 38771 22537 42405 00211 58807 10211 24068 04557 39079
43848 53951 22420 88227 09951 02631 39417 38495 43978 31280
26752 55888 12892 11847 91140 02271 08272 90867 17425 27567
54544 62481 74047 05970 58512 62420 64231 07867 29211 98416
21132 000 000

14377/13461/12114 kHz, 17-08, 1400/1410/1420 UTC

317 317 317 1 5388 83 5388 83
29907 18580 78378 20331 38470 82553 56741 54464 32155 68585
52051 38564 47066 63595 41760 59031 26029 21417 08627 61152
96040 91413 66531 75103 68747 11296 30550 80944 79430 45968
05910 85119 39320 45392 09753 85934 75342 64800 85534 89456
05161 79060 81900 84105 23175 56415 63999 23814 92848 19860
31897 52561 05766 01592 41478 38492 52048 03275 51582 27174
52002 75796 75032 86185 62674 66931 99242 01673 53842 55825
83688 61227 35881 19169 55990 16980 09512 82424 51927 12332
47295 06735 88095 000 000

14377/13461/12114 kHz, 18-08, 1400/1410/1420 UTC

317 317 317 1 5462 87 5462 87
63077 63909 39506 90886 82376 11942 73321 72973 03445 46444
15174 44561 92561 06442 37319 42972 07705 00876 04527 89694
92724 99514 27722 08433 08320 51668 60756 99662 47169 90545
02349 99599 13198 29015 64591 41758 27060 31892 23126 97095
86437 16040 59828 35384 49003 08728 61467 79730 00121 10449
90705 91658 15539 34664 83888 63561 36186 31073 82566 30707
51184 73658 25804 12898 44095 15573 31362 63545 41850 95559
15911 75811 77748 07430 03257 76684 39686 92337 59429 99591
90200 81024 99540 36720 99839 10689 84060 000 000

14377/13461/12114 kHz, 19-08, 1400/1410/1420 UTC

317 317 317 1 7369 80 7369 80
57767 60065 90142 37879 37871 76008 93234 51524 53191 18066
82085 97036 80091 73137 51008 15482 11692 08836 15598 31756
72792 44829 53387 24581 48982 44258 83595 37661 91594 12427
16927 15099 69753 45671 86842 72119 46564 64331 89885 98618
80199 46851 63123 62216 57380 97320 41041 44504 96597 47701
90514 53302 33585 73910 33835 12938 06678 65561 88895 93612
92411 55573 59928 40764 01139 66986 27283 34419 86294 78888
68917 47359 18950 16979 51555 25941 81704 91169 67199 51660
000 000

13386/12189/11491 kHz, 1500/1516/1532 UTC

13386/12189/11491 kHz, 13-08, 1500/1516/1532 UTC

725 725 725 1 1652 117 1652 117
27606 35692 06512 79583 30520 68046 26658 59143 95107 67856
35520 08258 63928 12740 69634 36974 13200 82082 72530 68804
01044 22770 16029 81848 38344 91954 97892 14737 59276 67168
59933 79449 76844 72837 23662 55185 78503 33636 10770 87548
19752 23634 21632 82629 36151 07760 05182 04862 39539 26299
73029 95610 26968 26978 41874 04835 19663 24663 41239 38565
70152 11920 99866 27939 07923 56069 31413 91089 89076 14449
58469 79562 71312 84981 49052 77409 01137 33399 45696 30584
86771 93030 75196 32977 94137 64321 52480 49866 30962 18826
3552_ 53840 92_96 7220_ __95 07_31 23_67 8_69 74705 80081
76345 14091 15784 25090 67828 93_66 24298 41986 77924 64464

03698 80263 ____8_ 51____ __064 57121 36723 000 000

13386/12189/11491 kHz, 14-08, 1500/1510/1520 UTC

725 725 725 1 1987 72 1987 72

98511 68086 09921 79423 96378 24697 74563 55283 85104 91773
93715 31189 15379 70943 47835 21702 97080 60496 65399 66820
19875 66453 10381 16739 99761 31780 34123 39675 95261 21620
61045 83758 69523 82578 94171 01960 82008 87562 40630 75691
84438 10241 40815 80528 10697 43351 19523 45011 86154 79925
08271 45311 64179 85617 90815 32058 57704 93181 79660 64597
90572 34887 60020 63483 30727 09957 61665 32799 76771 45875
39693 09518 000 000

13386/12189/11491 kHz, 15-08, 1500/1510/1520 UTC

725 725 725 1 9146 88 9146 88

00857 23319 59951 60721 39923 69168 62753 00650 88141 77296
73791 94555 50422 79892 94379 30721 88928 03379 24609 43597
56779 64449 35941 45366 15454 02379 79567 01022 25068 45135
49119 36564 63726 49945 80131 47102 31183 48655 32099 51754
97725 18262 40692 65858 14025 34710 45172 94092 91619 29301
49255 56211 51412 39588 33553 36406 87377 14584 45267 37543
89599 61730 75581 43006 28176 37226 30828 00477 99760 47276
99536 40273 71279 72853 45871 38516 23757 70082 31341 80743
57206 85474 09402 95766 95878 92906 85151 24137 000 000

13386/12189/11491 kHz, 16-08, 1500/1510/1520 UTC

725 725 725 1 3266 86 3266 86

87345 46256 27267 67591 49856 26402 78036 52714 43466 63541
07973 95411 59042 51537 82532 84394 50411 76187 37439 74152
29185 91314 63689 45353 04196 54463 62020 58006 31734 54321
73782 18087 16080 52348 40346 77364 70499 74455 88990 01906
02277 55886 74685 55291 84312 57439 40603 35305 85679 04335
56877 26375 05948 23638 31772 96029 82565 81912 63395 95391
64381 20030 20980 89143 89757 89885 79330 06693 11190 05168
13894 75955 87196 35532 71874 73297 16628 08398 61040 46755
13860 26714 72326 27398 97442 47407 000 000

13386/12189/11491 kHz, 17-08, 1500/1510/1520 UTC

725 725 725 1 8296 88 8296 88

64600 04715 73432 46398 30759 06880 29231 73459 97977 48832
53546 42453 38721 10259 58812 57788 56925 90742 05809 91869
35151 22606 86465 32827 96879 37063 93786 48851 60135 46948
67160 10732 44844 97059 33265 93053 44579 33775 22719 74272
87756 53047 81885 09077 39684 86974 55347 15673 06756 84760
03301 09549 26194 03081 49040 41993 18248 40604 49517 93694
13092 80379 13324 51029 81670 42813 97608 41661 76993 65758
13209 23150 68022 31535 04112 82103 40720 77387 93142 10129
81715 78113 42094 75373 43646 57611 84536 41763 000 000

13386/12189/11491 kHz, 18-08, 1500/1510/1520 UTC

725 725 725 1 3925 88 3925 88

49404 61140 22188 37048 16991 21344 80902 43316 37016 17989
37252 58262 28303 23062 60920 03607 16581 66060 18652 45402
62479 22594 19126 44196 41313 81591 79036 80826 91125 68797
52028 95045 81274 38119 55829 62301 88198 30407 70638 64053
70930 09897 65564 85035 08062 76638 70738 21599 68467 91384
58994 44059 44590 15735 25346 26810 42014 77990 95734 35398
42307 00075 52190 68218 65959 42205 76987 90193 67232 98618
15407 86172 95420 54597 74471 52581 57028 34089 36134 64673
10852 57436 12359 99740 09803 07968 50455 65538 000 000

13386/12189/11491 kHz, 19-08, 1500/1510/1520 UTC

725 725 725 1 6219 81 6219 81
40614 33807 27193 11509 32299 87851 06084 88104 08277 46976
44059 11464 89250 02989 34338 14508 92405 87156 91217 56115
70556 30513 97408 40519 31808 33631 79550 75672 05069 14843
42289 61570 69821 67151 05207 93505 76318 66056 50819 73220
09108 99203 96118 64844 98408 22485 19526 91478 64894 81392
97332 63564 79331 30238 42813 10101 36397 86673 79699 98666
08301 30410 83035 93432 04687 82488 41641 22099 97780 40831
38189 26349 36337 17997 47006 71351 34393 32564 42109 09323
14105 000 000

12162/11566/10711 kHz, 1600/1610/1620 UTC**12162/11566/10711 kHz, 13-08, 1600/1610/1620 UTC**

546 546 546 1 5715 122 5715 122
33099 77113 85567 26886 05227 42202 65353 72927 70761 35656
67050 67953 34386 18135 06631 25475 81481 94523 76936 44671
37903 77481 88955 73876 97710 86891 93183 59331 26512 96199
26421 97716 69881 12878 77449 71192 20462 69788 60870 60906
02466 45823 16455 83600 50319 19281 86832 54802 92852 96920
82999 78858 50128 08259 17502 55617 88156 11691 29174 18335
49017 06021 46414 74560 09234 69333 98070 21507 40685 35438
05012 11692 33652 16030 42204 92079 61025 05355 23556 78428
00059 38381 66477 29591 13199 47562 47587 61621 95375 21831
83035 08771 40614 42535 11888 96443 99407 41893 74365 80985
21209 65324 14116 57414 91907 71307 45206 34097 66054 25422
94590 82800 88134 50745 18276 10635 39542 16823 61361 61671
21745 36449 000 000

12162/11566/10711 kHz, 14-08, 1600/1610/1620 UTC

546 546 546 1 5293 88 5293 88
40288 2__90 22640 41246 47516 73368 20742 21539 86319 52080
62069 2___9 52382 38057 01437 35248 15318 44293 94502 06921
51763 29212 73266 41371 69755 53403 __135 96001 15030 36983
36078 92752 42427 98389 68_55 94572 42500 05420 49909 99405
00034 75129 39481 7187_ 18106 47985 98014 33803 403__ 95958
1__02 88640 42151 7981_ 08400 11076 55722 __268 71489 9411_
_7233 24740 __508 49335 16002 __16 78110 53991 6____ 06864
09_47 09897 94382 95096 06887 _6633 89729 01387 23264 21770
__388 82330 __688 19071 23280 47436 50601 __607 000 000

12162/11566/10711 kHz, 15-08, 1600/1610/1620 UTC

546 546 546 1 8871 84 8871 84
12169 43104 06810 55982 36605 26322 01739 42843 84968 62683
32921 01942 69712 15218 19310 98995 12492 48649 73592 31495
09502 51716 89743 85900 08822 14109 11847 62066 60634 51336
44819 44927 52245 92099 53590 02849 59077 18848 50130 38538
18557 50842 85198 76641 58157 74793 70530 59069 07557 72429
67870 97905 17895 26334 61494 60452 53359 80909 47160 22495
15475 39671 82208 33631 17864 87993 49695 77612 61626 16461
39917 93643 98517 35053 12937 58658 66517 13102 29743 34027
43578 52776 54509 88204 000 000

12162/11566/10711 kHz, 16-08, 1600/1610/1620 UTC

546 546 546 1 9790 89 9790 89
02745 24802 87144 46926 85160 15567 17125 02615 98111 00240
84168 29414 66083 92641 57503 39793 31395 26353 31106 50296
92269 74994 69359 59005 13817 37851 14791 10820 01372 85640
36416 14972 87898 02380 23504 59027 00727 75416 28692 98129
01651 49560 42081 63527 69365 94069 52730 04796 86228 66279
83513 33626 60929 88099 05303 27749 55441 28139 33108 47308
00775 06304 01243 12471 63823 69196 41514 63713 69136 98474

39066 55977 97659 32976 48645 42709 32913 05831 89639 19747
85120 09994 24590 35091 02126 02790 54041 99798 97075 000 000

12162/11566/10711 kHz, 17-08, 1600/1610/1620 UTC

546 546 546 1 8667 86 8667 86
33758 22119 46448 28889 81900 15140 71029 53418 93484 40886
88399 06311 63254 41339 78673 53860 86147 41749 96624 52120
01844 77109 14087 93653 33806 47795 33575 56535 49262 67840
25735 14459 26620 28350 48762 42053 15325 08810 19450 45514
70797 63501 21326 59435 49815 80895 12348 42974 40045 49503
11557 08580 39613 66104 66948 56648 08031 52793 95082 34105
81563 14494 04156 25644 15151 73940 79689 34903 92576 36619
38535 77337 22299 51109 81322 38341 55782 54650 43838 52909
35446 90600 16489 99758 56283 17154 000 000

12162/11566/10711 kHz, 18-08, 1600/1610/1620 UTC

546 546 546 1 8894 87 8894 87
82249 69525 34567 06948 13628 41889 35888 47201 62786 46059
04306 76262 95425 41373 05543 96274 11258 25131 74378 37780
80160 52851 72067 21047 06250 00109 67546 27689 57770 65236
85743 37698 52705 59670 44783 94394 95938 99611 90400 31623
96802 58674 88630 27471 20094 11910 06149 12420 66429 80088
19127 07959 34198 24625 91070 29397 97157 13519 00698 13519
74341 08199 89430 97549 60314 66606 23556 35755 96589 11147
00335 11646 34729 42754 40976 21486 64220 44895 00952 94338
93958 55126 61259 77681 46108 77784 03499 000 000

12162/11566/10711 kHz, 19-08, 1600/1610/1620 UTC

546 546 546 1 7023 84 7023 84
67628 40973 14395 ... 53486 39341 91057 000 000
Mostly too weak to copy

12162/11566/10711 kHz, 26-08, 1600/1610/1620 UTC

546 546 546 1 3358 62 3358 62
11745 90939 11745 00630 12288 94239 16886 40360 49494 80534
55859 68147 57592 68000 97555 26128 28265 81166 18486 71509
72511 06767 60936 78286 92528 83311 96922 05282 75067 63106
77134 42937 23063 39630 65319 31429 79936 22143 33384 44933
70966 90901 40075 52516 80621 86654 09863 59125 53433 46675
54450 47968 29480 70928 56716 04978 29999 13465 08100 28976
97315 11604 000 000

12162/11566/10711 kHz, 1200/1210/1220 UTC

12162/11566/10711 kHz, 26-08, 1200/1210/1220 UTC

546 546 546 1 3358 62 3358 62
11745 90939 11745 00630 12288 94239 16886 40360 49494 80534
55859 68147 57592 68000 97555 26128 28265 81166 18486 71509
72511 06767 60936 78286 92528 83311 96922 05282 75067 63106
77134 42937 23063 39630 65319 31429 79936 22143 33384 44933
70966 90901 40075 52516 80621 86654 09863 59125 53433 46675
54450 47968 29480 70928 56716 04978 29999 13465 08100 28976
97315 11604 000 000

11435/10598/9327 kHz, 1700/1710/1720 UTC
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11435/10598/9327 kHz, 13-08, 1700/1710/1720 UTC

938 938 938 1 8064 113 8064 113
85658 98997 30645 44258 02097 05379 35956 82059 46103 82058
60984 07396 49877 85480 19057 78705 31571 51802 60658 34798
55592 84525 09739 05338 71736 60585 58312 28464 07127 46983
53601 63650 35624 52923 30243 77936 39231 01113 59433 72073
70579 59182 87498 26784 15574 68126 50495 54912 59823 06459

38370 87435 59556 75247 68182 01132 89258 25306 72521 41511
47065 07492 74931 99119 28457 97332 71771 96952 55237 41119
39473 30458 30458 92368 88584 64217 06409 97026 82953 03610
10089 03400 68629 00668 08612 66165 04093 60375 84739 29110
88677 13925 28590 17922 25007 63087 84249 88377 98326 18240
96353 53541 99674 18704 66984 07912 95066 70971 11029 61773
04105 06304 35542 000 000

11435/10598/9327 kHz, 14-08, 1700/1710/1720 UTC

938 938 938 1 4646 86 4846 86
89630 41430 84665 52212 81883 69012 46030 63871 65210 04655
17753 42925 19656 74640 67936 84806 47063 81350 67009 02653
05840 14926 53840 80771 70392 45521 26074 04951 05692 41344
19069 31605 09366 09843 66289 33674 92678 857 __ __ 595 10851
43683 35463 13919 87322 28477 12127 07910 09695 38461 88075
_5254 46940 79649 81606 70442 74703 87588 03893 81818 36361
42937 41078 58178 23865 85584 86147 33559 09813 08350 34262
92127 61266 96254 56158 58969 70375 01007 66517 52294 58265
37610 16378 66489 17616 46089 72128 000 000

11435/10598/9327 kHz, 15-08, 1700/1710/1720 UTC

938 938 938 1 3135 74 3135 74
90317 92099 94110 26537 98396 89105 93388 32378 44270 29925
31028 69556 45858 97201 65418 72665 34452 65403 58564 46746
98364 71116 95851 97250 73529 59005 74251 77396 42787 67397
77339 55688 96448 85590 66610 92969 71521 90784 71959 72552
39894 15363 25300 11003 71382 69825 20113 79600 66009 25755
26747 26468 57673 57095 25266 19201 96247 96858 53006 39391
14853 15992 89590 76871 52585 75338 73106 60267 30590 72447
01143 43667 93582 86011 000 000

11435/10598/9327 kHz, 16-08, 1700/1710/1720 UTC

938 938 938 1 5368 87 4368 87
92542 53381 67427 43238 73223 74735 72259 10541 34279 09379
96832 63828 76196 26796 89135 23882 52212 62904 64379 45463
53519 02912 63462 80069 89642 83185 10728 88242 94828 03862
60533 36476 52162 99530 11152 42970 61161 75599 15755 15252
23512 63467 60984 99050 72482 65369 34334 04633 32612 24529
33162 49986 36458 09289 19722 89630 89918 87357 53594 90036
64007 84016 15712 30417 48844 60355 11666 76665 15643 46164
62719 76611 47148 49126 21951 90050 41927 64410 07586 24272
48850 06094 55629 70299 70698 10547 00018 000 000

11435/10598/9327 kHz, 17-08, 1700/1710/1720 UTC

938 938 938 1 9460 82 9460 82
25017 81717 57368 77110 66617 60253 07690 49232 77205 07783
87642 13357 53712 54133 37116 83328 14932 88506 70613 78220
37388 84868 16530 58194 39689 05753 18538 02667 22123 54264
98742 98762 04302 25747 33970 18102 60302 97584 88181 19120
39332 69309 17367 13180 75905 18908 52181 71186 83426 30833
75107 00005 75524 78409 92456 40148 65186 99172 37421 60863
41714 05022 27109 22940 09039 88878 09055 27965 20162 19014
23025 17347 00325 51493 38888 68078 67501 03349 82287 20780
53571 47350 000 000

11435/10598/9327 kHz, 18-08, 1700/1710/1720 UTC

938 938 938 1 2520 85 2520 85
84239 72460 22588 29499 79087 40305 69766 69472 49544 59461
46854 86702 50787 98453 60369 34143 46862 81208 61777 34555
23873 94205 26987 46024 64997 62505 36288 53032 38898 34747
44857 53525 76818 13078 13950 61144 98306 83684 77520 14180
81426 89300 71703 38729 10294 22182 53956 81308 34998 73624
14035 99982 88121 17040 28682 90033 45472 76562 64500 16581

04016 16723 30574 14797 14603 93328 09884 37708 84503 99224
35836 63176 03687 47596 53128 34571 22501 88256 35729 32815
08549 54979 18044 65272 20712 000 000

11435/10598/9327 kHz, 19-08, 1700/1710/1720 UTC

938 938 938 1 1917 89 1917 89
16747 21046 88843 68902 46136 21618 00253 97158 95275 31020
58480 45288 03242 99918 44399 84666 66246 65891 18188 34915
21890 03213 46036 53696 12185 92314 23545 98855 29804 35226
82674 93796 16709 73122 01735 55162 85950 94836 50081 85426
27606 21271 60475 90786 76566 21269 82703 57799 60966 00533
02011 17778 08463 22248 81699 13533 75008 35147 56717 53820
98072 01396 67354 60048 38345 64683 28579 30118 98183 89235
98715 71308 15810 32760 07308 00619 42736 55249 77128 90915
09611 65744 37889 29270 33215 64896 82332 94460 01423 000 000

10624/11449/12133 kHz, 0800/0810/0820 UTC

10624/11449/12133 kHz, 22-08, 0800/0810/0820 UTC

492 492 492 1 7704 62 7704 62
73875 81930 51703 36046 65150 21954 27927 54870 39329 33798
95968 86097 34435 57653 20721 51413 67253 20364 58374 65690
94225 51248 32887 96773 74537 87530 32164 40428 71370 33904
71261 96337 41140 74858 83616 96951 04346 31503 11257 69842
63508 41257 86037 51199 51578 58239 43067 72442 74767 31562
40631 18030 11078 28790 19207 22626 49042 54929 61508 77618
89789 87497 000 000

M14

12211/10243 kHz, 01-08, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 04-08/05-08, 0500/0520 UTC

05-08, 0520 UTC: 952 (R4) 1m28s silence 716 716 54 54 = = etc.

952 716 716 54 54 = =
29026 74785 90551 91631 70428 67058 66779 89961 62397 00264
58509 71576 57445 71230 96154 94856 54097 80651 98585 06187
19410 14476 23838 12217 44024 87892 32796 17059 21917 12858
70564 47871 72054 75087 95194 17250 44118 31466 08467 95883
75508 63798 68405 93893 91804 49849 88226 74302 67861 37607
51390 47072 91747 33699
= = 716 716 54 54 00000

12211/10243 kHz, 06-08/07-08, 0500/0520 UTC

952 430 430 28 28 = =
66069 90626 84316 65523 51478 86529 41624 08499 85937 43751
87417 11176 44338 43168 33182 41504 94046 34670 68677 24826
19458 03685 13302 94427 43522 22562 91763 63677
= = 430 430 28 28
952 876 876 29 29 = =
82592 40058 36699 59260 57855 49701 78029 63805 31651 82150
98151 56448 68215 97620 68337 19506 83880 76578 59939 29830
38379 70004 64452 02875 73898 88422 07421 05996 00331
= = 876 876 29 29 00000

12211/10243 kHz, 08-08, 0500/0520 UTC

952 (R4m) off

12211/10243 kHz, 11-08/12-08, 0500/0520 UTC

952 310 310 54 54 = =
 74663 53960 11634 49550 29744 23260 75964 02050 54969 05505
 80183 50133 40398 07995 20830 51673 26245 61077 71002 53966
 33051 62743 72095 96191 92731 27621 47519 21740 28940 82550
 49319 55078 60189 75928 73654 22870 24159 93009 06050 24008
 46639 94351 82379 78265 03530 19596 76507 08255 49357 23763
 50520 34356 10719 38257
 = = 310 310 54 54 00000

12211 kHz, 13-08, 0511 UTC

Started late and skipped most of the first message.

107 107 34 34 = =
 40383 70237 94393 60016 60
 952 648 648 25 25 = =
 51870 42239 87731 70977 28740 63335 80773 93020 18343 84357
 31285 74447 79102 02667 27322 36764 99677 42201 66777 35424
 62291 13848 77979 56573 95207
 = = 648 648 25 25 00000

10243 kHz, 13-08, 0521 UTC. Late start**12211/10243 kHz, 14-08, 0500/0520 UTC**

952 107 107 34 34 = =
 40383 70237 94393 60016 89522 54882 50126 90204 42908 58147
 68756 97887 69121 03881 49175 50838 48600 77154 06179 45179
 47678 13230 09012 66853 69679 71763 46179 84439 62747 94720
 08719 34254 89101 71398
 = = 107 107 34 34
 952 648 648 25 25 = =
 51870 42239 87731 70977 28740 63335 80773 93020 18343 84357
 31285 74447 79102 02667 27322 36764 99677 42201 66777 35424
 62291 13848 77979 56573 95207
 = = 648 648 25 25 00000

12211/10243 kHz, 15-08, 0500/0520 UTC

952 952 952 00000

12211 kHz, 18-08, 0500 UTC

Hickups during the callup.

10243 kHz, 18-08, 0520 UTC

Normal transmission

12211 kHz, 19-08, 0500 UTC

952 (R4m) off

10243 kHz, 19-08, 0520 UTC

Some problems at the start. Short callup. Message started at 0523z

952 364 364 51 51 = =
 61399 38952 32112 24351 39941 25815 99607 39750 66586 07582
 52608 32892 09615 92420 40809 71569 79545 65712 30057 54716
 94559 10920 75438 21606 45242 27039 77278 75602 32076 09818
 55990 02145 74126 88931 06708 85660 12356 38306 19637 55092
 56002 01770 77075 12725 45467 01224 63025 25998 30139 19527
 46339
 = = 364 364 51 51 00000

12211/10243 kHz, 20-08, 0500/0520 UTC

952 634 634 27 27 = =
 41152 13355 67257 15425 45440 46028 49590 35861 61319 43034
 68293 25770 32963 12429 74560 70679 10835 95661 96326 88666
 52290 89353 40892 12141 74234 27314 98738
 = = 634 634 27 27
 952 781 781 24 24 = =
 98020 73605 55840 83787 08581 88832 51421 95551 19815 22586
 85733 83011 77529 17838 18331 42448 30691 32187 76061 77313
 17626 37617 95563 29472
 = = 781 781 24 24 00000

12211 kHz, 21-08, 0500 UTC. Problems again

952 (R4m) 56sec silence 952 634 634 27 27 = =
41152 13355 (1min 12sec silence)
95 634 634 27 27 = =
41152 13355 off

10243 kHz, 21-08, 0520 UTC No transmission

12211 kHz, 22-08, 0500 UTC 952 952 952 00000 (R4m) 00000

10423 kHz, 22-08, 0520 UTC 952 952 952 00000

12211 kHz, 25-08, 0500 UTC. M14 accidentally transmitted the S06 0400/0420z message. After completion, it started the correct message but terminated it at 0519z.

952 251 251 59 59 = =
77317 70697 75547 84699 55687 65274 54174 66977 15025 12948
03620 50370 16615 63087 60462 41374 85987 83544 40007 71777
33317 56422 83894 80410 80957 09488 85917 86020 46546 25420
07008 05939 55097 96077 15319 00244 78557 13971 12341 46092
26221 18129 30994 71918 34474 36553 16622 06183 29287 92430
26846 20360 59901 66317 11192 70849 27142 31455 56450
= = 251 251 59 59
952 810 810 57 57 = =
64432 19175 69164 42528 61491 17466 30190 18446 09795 76285
79471 84040 49999 19995 19169 26832 78364 98225 14102 29304
74886 16799 1 (restart)
952 952 952 952 952 5952 952 52 off

10243 kHz, 25-08, 0520 UTC

12211/10243 kHz, 26-08, 0500/0520 UTC

952 810 810 57 57 = =
64432 19175 69164 42528 61491 17466 30190 18446 09795 76285
79471 84040 49999 19995 19169 26832 78364 98225 14102 29304
74186 16799 15142 29572 21857 41804 48311 10654 76003 18997
80551 73053 43115 75725 98084 70320 78121 97555 58314 12291
19351 96800 01192 65697 10296 15123 31001 06819 81642 27410
04487 05875 91984 39112 86267 47845 50673
= = 810 810 57 57 00000

12211/10243 kHz, 27-08/28-08, 0500/0520 UTC

27-08, 0500 UTC. Restart after the callup

952 103 103 38 38 = =
30181 14017 00885 73684 55110 99974 91036 95291 62598 60764
42095 37998 72481 88314 52455 62508 06904 61485 32108 72260
25514 65806 20110 94550 99829 09028 81066 56674 62687 12153
79047 49273 93741 80646 52390 94081 26922 85509
= = 103 103 38 38
952 764 764 17 17 = =
36167 30095 43015 98051 20673 72161 52488 48459 24542 33761
87287 34095 99088 79255 83157 78380 59931
= = 764 764 17 17 00000

12211/10243 kHz, 29-08, 0500/0520 UTC

952 952 952 00000

4735 kHz, 09-08, 0700 UTC

VVV VVV PROMRCh = 09 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1400
 1400 0770 0800 0900 1380
 1600 0770 0800 0910 1290
 1800 0750 0770 0880 1210
 2000 0820 0850 0950 1270
 2200 0770 0790 0880 1160
 0000 0690 0700 0770 1000
 0200 0640 0650 0710 0910
 0400 0550 0570 0630 0820
 0600 0570 0600 0680 0940
 0800 0700 0730 0840 1180
 = ABV
 VVV VVV PROMRCh = 09 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1400
 1400 0770 0800 0900 1380
 1600 0770 0800 0910 1290
 1800 0750 0770 0880 1210
 2000 0820 0850 0950 1270
 2200 0770 0790 0880 1160
 0000 0690 0700 0770 1000
 0200 0640 0650 0710 0910
 0400 0550 0570 0630 0820
 0600 0570 0600 0680 0940
 0800 0700 0730 0840 1180
 = AR

4735 kHz, 13-08, 0700 UTC

VVV VVV PROMRCh = 13 08 =
 1000 0730 0770 0880 1320
 1200 0750 0780 0890 1380
 1400 0770 0800 0910 1370
 1600 0770 0800 0900 1280
 1800 0750 0780 0880 1220
 2000 0820 0850 0950 1280
 2200 0740 0770 0850 1140
 0000 0650 0670 0740 0960
 0200 0610 0620 0680 0870
 0400 0530 0550 0600 0790
 0600 0560 0580 0670 0920
 0800 0690 0730 0840 1180
 = ABV
 VVV VVV PROMRCh = 13 08 =
 1000 0730 0770 0880 1320
 1200 0750 0780 0890 1380
 1400 0770 0800 0910 1370
 1600 0770 0800 0900 1280
 1800 0750 0780 0880 1220
 2000 0820 0850 0950 1280
 2200 0740 0770 0850 1140
 0000 0650 0670 0740 0960
 0200 0610 0620 0680 0870
 0400 0530 0550 0600 0790
 0600 0560 0580 0670 0920
 0800 0690 0730 0840 1180
 = AR

4735 kHz, 10-08, 0659 UTC

Early start. Errors at the end
 VVV VVV PROMRCh = 10 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1390
 1400 0780 0810 0910 1380
 1600 0780 0810 0910 1290
 1800 0750 0780 0890 1220
 2000 0830 0860 0960 1280
 2200 0770 0790 0870 1160
 0000 0690 0710 0780 1000
 0200 0630 0650 0700 0910
 0400 0550 0570 0620 0820
 0600 0570 0600 0680 0940
 0800 0700 0740 0850 1190
 = ABV
 VVV VVV PROMRCh = 10 08 =
 1000 0740 0770 0880 1340
 1200 0760 0780 0890 1390
 1400 0780 0810 0910 1380
 1600 0780 0810 0910 1290
 1800 0750 0780 0890 1220
 2000 0830 0860 0960 1280
 2200 0770 0790 0870 1160
 0000 0690 0710 (5 sec silence)
 0
 0800 0700 0740 0850 1190
 = AR

4735 kHz, 14-08, 0700 UTC

VVV VVV PROMRCh = 14 08 =
 1000 0730 0760 0880 1330
 1200 0750 0780 0890 1370
 1400 0770 0800 0910 1360
 1600 0770 0800 0910 1280
 1800 0750 0780 0880 1230
 2000 0820 0850 0950 1280
 2200 0740 0760 0850 1130
 0000 0650 0660 0730 0960
 0200 0590 0610 0670 0860
 0400 0520 0540 0590 0780
 0600 0560 0580 0660 0920
 0800 0690 0730 0840 1190
 = ABV
 VVV VVV PROMRCh = 14 08 =
 1000 0730 0760 0880 1330
 1200 0750 0780 0890 1370
 1400 0770 0800 0910 1360
 1600 0770 0800 0910 1280
 1800 0750 0780 0880 1230
 2000 0820 0850 0950 1280
 2200 0740 0760 0850 1130
 0000 0650 0660 0730 0960
 0200 0590 0610 0670 0860
 0400 0520 0540 0590 0780
 0600 0560 0580 0660 0920
 0800 0690 0730 0840 1190
 = AR

4735 kHz, 11-08, 0701 UTC

VVV VVV PROMRCh = 11 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1390
 1400 0770 0800 0910 1370
 1600 0770 0800 0910 1290
 1800 0750 0780 0880 1220
 2000 0820 0850 0950 1280
 2200 0760 0780 0870 1150
 0000 0680 0700 0760 0990
 0200 0630 0650 0700 0910
 0400 0550 0560 0620 0810
 0600 0570 0590 0670 0940
 0800 0700 0730 0840 1190
 = ABV
 VVV VVV PROMRCh = 11 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1390
 1400 0770 0800 0910 1370
 1600 0770 0800 0910 1290
 1800 0750 0780 0880 1220
 2000 0820 0850 0950 1280
 2200 0760 0780 0870 1150
 0000 0680 0700 0760 0990
 0200 0630 0650 0700 0910
 0400 0550 0560 0620 0810
 0600 0570 0590 0670 0940
 0800 0700 0730 0840 1190
 = AR

4735 kHz, 15-08, 0700 UTC

VVV VVV PROMRCh = 15 08 =
 1000 0740 0770 0880 1320
 1200 0750 0780 0890 1370
 1400 0780 0810 0910 1360
 1600 0770 0800 0910 1280
 1800 0750 0780 0890 1230
 2000 0830 0860 0960 1290
 2200 0740 0760 0850 1130
 0000 0640 0660 0730 0950
 0200 0590 0600 0660 0860
 0400 0520 0530 0590 0780
 0600 0550 0580 0660 0920
 0800 0700 0730 0850 1190
 = ABV
 VVV VVV PROMRCh = 15 08 =
 1000 0740 0770 0880 1320
 1200 0750 0780 0890 1370
 1400 0780 0810 0910 1360
 1600 0770 0800 0910 1280
 1800 0750 0780 0890 1230
 2000 0830 0860 0960 1290
 2200 0740 0760 0850 1130
 0000 0640 0660 0730 0950
 0200 0590 0600 0660 0860
 0400 0520 0530 0590 0780
 0600 0550 0580 0660 0920
 0800 0700 0730 0850 1190
 = AR

4735 kHz, 12-08, 0700 UTC

VVV VVV PROMRCh = 12 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1380
 1400 0780 0810 0910 1370
 1600 0770 0800 0910 1280
 1800 0750 0780 0880 1220
 2000 0820 0850 0950 1280
 2200 0750 0780 0860 1140
 0000 0670 0690 0750 0980
 0200 0620 0630 0690 0890
 0400 0540 0550 0610 0800
 0600 0560 0580 0670 0930
 0800 0700 0730 0840 1190
 = ABV
 VVV VVV PROMRCh = 12 08 =
 1000 0740 0770 0880 1340
 1200 0750 0780 0890 1380
 1400 0780 0810 0910 1370
 1600 0770 0800 0910 1280
 1800 0750 0780 0880 1220
 2000 0820 0850 0950 1280
 2200 0750 0780 0860 1140
 0000 0670 0690 0750 0980
 0200 0620 0630 0690 0890
 0400 0540 0550 0610 0800
 0600 0560 0580 0670 0930
 0800 0700 0730 0840 1190
 = AR

4735 kHz, 16-08, 0659 UTC

VVV VVV PROMRCh = 16 08 =
 1000 0740 0770 0880 1320
 1200 0750 0780 0890 1360
 1400 0780 0800 0910 1360
 1600 0770 0800 0910 1270
 1800 0750 0780 0890 1240
 2000 0830 0850 0960 1290
 2200 0730 0750 0840 1120
 0000 0640 0660 0720 0940
 0200 0590 0600 0660 0850
 0400 0520 0530 0590 0770
 0600 0550 0570 0650 0910
 0800 0700 0730 0840 1190
 = ABV
 VVV VVV PROMRCh = 16 08 =
 1000 0740 0770 0880 1320
 1200 0750 0780 0890 1360
 1400 0780 0800 0910 1360
 1600 0770 0800 0910 1270
 1800 0750 0780 0890 1240
 2000 0830 0850 0960 1290
 2200 0730 0750 0840 1120
 0000 0640 0660 0720 0940
 0200 0590 0600 0660 0850
 0400 0520 0530 0590 0770
 0600 0550 0570 0650 0910
 0800 0700 0730 0840 1190
 = AR

4735 kHz, 17-08, 0659 UTC

VVV VVV PROMRCh = 17 08 =
 1000 0740 0780 0890 1320
 1200 0760 0790 0900 1360
 1400 0780 0810 0920 1350
 1600 0770 0800 0920 1270
 1800 0760 0790 0900 1250
 2000 0830 0860 0960 1300
 2200 0730 0760 0840 1120
 0000 0640 0650 0720 0940
 0200 0580 0600 0650 0850
 0400 0520 0530 0590 0780
 0600 0550 0570 0650 0910
 0800 0700 0730 0850 1200
 = ABV
 VVV VVV PROMRCh = 17 08 =
 1000 0740 0780 0890 1320
 1200 0760 0790 0900 1360
 1400 0780 0810 0920 1350
 1600 0770 0800 0920 1270
 1800 0760 0790 0900 1250
 2000 0830 0860 0960 1300
 2200 0730 0760 0840 1120
 0000 0640 0650 0720 0940
 0200 0580 0600 0650 0850
 0400 0520 0530 0590 0780
 0600 0550 0570 0650 0910
 0800 0700 0730 0850 1200
 = AR

4735 kHz, 22-08, 0700 UTC

VVV VVV PROMRCh = 22 08 =
 1000 0750 0780 0900 1300
 1200 0770 0800 0910 1350
 1400 0790 0820 0930 1340
 1600 0790 0820 0930 1290
 1800 0760 0800 0910 1270
 2000 0840 0870 0970 1320
 2200 0720 0740 0820 1110
 0000 0620 0640 0700 0910
 0200 0570 0590 0640 0830
 0400 0510 0520 0580 0760
 0600 0530 0550 0640 0890
 0800 0700 0730 0850 1210
 = ABV
 VVV VVV PROMRCh = 22 08 =
 1000 0750 0780 0900 1300
 1200 0770 0800 0910 1350
 1400 0790 0820 0930 1340
 1600 0790 0820 0930 1290
 1800 0760 0800 0910 1270
 2000 0840 0870 0970 1320
 2200 0720 0740 0820 1110
 0000 0620 0640 0700 0910
 0200 0570 0590 0640 0830
 0400 0510 0520 0580 0760
 0600 0530 0550 0640 0890
 0800 0700 0730 0850 1210
 = AR

4735 kHz, 18-08, 0700 UTC

VVV VVV PROMRCh = 18 08 =
 1000 0740 0770 0890 1310
 1200 0760 0790 0900 1350
 1400 0780 0810 0920 1350
 1600 0780 0810 0920 1270
 1800 0760 0790 0910 1260
 2000 0830 0860 0960 1300
 2200 0730 0750 0840 1120
 0000 0640 0650 0720 0930
 0200 0580 0600 0650 0840
 0400 0520 0530 0590 0770
 0600 0540 0570 0650 0910
 0800 0700 0730 0850 1200
 = ABV
 VVV VVV PROMRCh = 18 08 =
 1000 0740 0770 0890 1310
 1200 0760 0790 0900 1350
 1400 0780 0810 0920 1350
 1600 0780 0810 0920 1270
 1800 0760 0790 0910 1260
 2000 0830 0860 0960 1300
 2200 0730 0750 0840 1120
 0000 0640 0650 0720 0930
 0200 0580 0600 0650 0840
 0400 0520 0530 0590 0770
 0600 0540 0570 0650 0910
 0800 0700 0730 0850 1200
 = AR

4735 kHz, 23-08, 0700 UTC

VVV VVV PROMRCh = 23 08 =
 1000 0750 0780 0900 1300
 1200 0770 0800 0910 1340
 1400 0800 0830 0930 1330
 1600 0790 0820 0930 1290
 1800 0760 0800 0920 1280
 2000 0840 0870 0980 1320
 2200 0710 0740 0820 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0640 0820
 0400 0510 0520 0570 0760
 0600 0520 0550 0630 0890
 0800 0700 0730 0850 1200
 = ABV
 VVV VVV PROMRCh = 23 08 =
 1000 0750 0780 0900 1300
 1200 0770 0800 0910 1340
 1400 0800 0830 0930 1330
 1600 0790 0820 0930 1290
 1800 0760 0800 0920 1280
 2000 0840 0870 0980 1320
 2200 0710 0740 0820 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0640 0820
 0400 0510 0520 0570 0760
 0600 0520 0550 0630 0890
 0800 0700 0730 0850 1200
 = AR

4735 kHz, 19-08, 0700 UTC

VVV VVV PROMRCh = 19 08 =
 1000 0740 0770 0890 1310
 1200 0760 0790 0900 1350
 1400 0780 0810 0920 1350
 1600 0780 0810 0920 1280
 1800 0760 0790 0910 1260
 2000 0830 0860 0960 1300
 2200 0720 0750 0830 1110
 0000 0630 0650 0710 0930
 0200 0580 0600 0650 0840
 0400 0520 0530 0590 0780
 0600 0540 0570 0650 0910
 0800 0700 0730 0850 1200
 = ABV
 VVV VVV PROMRCh = 19 08 =
 1000 0740 0770 0890 1310
 1200 0760 0790 0900 1350
 1400 0780 0810 0920 1350
 1600 0780 0810 0920 1280
 1800 0760 0790 0910 1260
 2000 0830 0860 0960 1300
 2200 0720 0750 0830 1110
 0000 0630 0650 0710 0930
 0200 0580 0600 0650 0840
 0400 0520 0530 0590 0780
 0600 0540 0570 0650 0910
 0800 0700 0730 0850 1200
 = AB

4735 kHz, 24-08, 0700 UTC

VVV VVV PROMRCh = 24 08 =
 1000 0740 0780 0900 1300
 1200 0770 0800 0910 1340
 1400 0800 0830 0930 1330
 1600 0780 0810 0930 1290
 1800 0770 0800 0920 1290
 2000 0840 0870 0980 1320
 2200 0720 0740 0830 1100
 0000 0620 0640 0700 0920
 0200 0570 0580 0640 0820
 0400 0500 0520 0570 0770
 0600 0520 0560 0630 0890
 0800 0700 0730 0850 1200
 = ABV
 VVV VVV PROMRCh = 24 08 =
 1000 0740 0780 0900 1300
 1200 0770 0800 0910 1340
 1400 0800 0830 0930 1330
 1600 0780 0810 0930 1290
 1800 0770 0800 0920 1290
 2000 0840 0870 0980 1320
 2200 0720 0740 0830 1100
 0000 0620 0640 0700 0920
 0200 0570 0580 0640 0820
 0400 0500 0520 0570 0770
 0600 0520 0560 0630 0890
 0800 0700 0730 0850 1200
 = AR

4735 kHz, 20-08, 0700 UTC

Long tone only. Not sure if it is related to UM04.

4735 kHz, 21-08, 0700 UTC

No transmission

Back to normal on the 22nd

4735 kHz, 25-08, 0700 UTC

VVV VVV PROMRCh = 25 08 =
 1000 0750 0780 0900 1300
 1200 0770 0800 0910 1340
 1400 0800 0830 0940 1340
 1600 0790 0820 0930 1290
 1800 0760 0800 0910 1270
 2000 0840 0860 0970 1320
 2200 0710 0730 0810 1090
 0000 0610 0630 0690 0900
 0200 0560 0580 0630 0820
 0400 0500 0510 0570 0750
 0600 0520 0540 0620 0880
 0800 0690 0730 0840 1200
 = ABV
 VVV VVV PROMRCh = 25 08 =
 1000 0750 0780 0900 1300
 1200 0770 0800 0910 1340
 1400 0800 0830 0940 1340
 1600 0790 0820 0930 1290
 1800 0760 0800 0910 1270
 2000 0840 0860 0970 1320
 2200 0710 0730 0810 1090
 0000 0610 0630 0690 0900
 0200 0560 0580 0630 0820
 0400 0500 0510 0570 0750
 0600 0520 0540 0620 0880
 0800 0690 0730 0840 1200
 = AR

4735 kHz, 26-08, 0700 UTC

VVV VVV PROMRCh = 26 08 =
 1000 0760 0790 0910 1300
 1200 0780 0810 0920 1340
 1400 0810 0830 0940 1340
 1600 0790 0820 0G40 1290
 1800 0770 0800 0920 1270
 2000 0840 0870 0980 1320
 2200 0710 0730 0820 1100
 0000 0620 0630 0700 0900
 0200 0560 0580 0630 0810
 0400 0500 0510 0570 0750
 0600 0520 0540 0620 0880
 0800 0700 0730 0850 1200
 = ABV
 VVV VVV PROMRCh = 26 08 =
 1000 0760 0790 0910 1300
 1200 0780 0810 0920 1340
 1400 0810 0830 0940 1340
 1600 0790 0820 0G40 1290
 1800 0770 0800 0920 1270
 2000 0840 0870 0980 1320
 2200 0710 0730 0820 1100
 0000 0620 0630 0700 0900
 0200 0560 0580 0630 0810
 0400 0500 0510 0570 0750
 0600 0520 0540 0620 0880
 0800 0700 0730 0850 1200
 = AR

4735 kHz, 29-08, 0700 UTC

VVV VVV PROMRCh = 29 08 =
 1000 0770 0800 0920 1300
 1200 0790 0820 0930 1340
 1400 0810 0840 0950 1330
 1600 0800 0830 0950 1300
 1800 0780 0810 0920 1280
 2000 0850 0880 0980 1330
 2200 0710 0730 0810 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0640 0820
 0400 0510 0520 0580 0760
 0600 0520 0540 0630 0880
 0800 0710 0740 0860 1220
 = ABV
 VVV VVV PROMRCh = 29 08 =
 1000 0770 0800 0920 1300
 1200 0790 0820 0930 1340
 1400 0810 0840 0950 1330
 1600 0800 0830 0950 1300
 1800 0780 0810 0920 1280
 2000 0850 0880 0980 1330
 2200 0710 0730 0810 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0640 0820
 0400 0510 0520 0580 0760
 0600 0520 0540 0630 0880
 0800 0710 0740 0860 1220
 = AR

4735 kHz, 27-08, 0659 UTC

VVV VVV PROMRCh = 27 08 =
 1000 0760 0800 0910 1300
 1200 0790 0820 0920 1340
 1400 0810 0840 0950 1340
 1600 0800 0830 0940 1300
 1800 0770 0800 0920 1270
 2000 0850 0870 0980 1330
 2200 0710 0730 0820 1100
 0000 0620 0640 0690 0900
 0200 0560 0580 0630 0820
 0400 0500 0510 0570 0750
 0600 0520 0540 0630 0880
 0800 0700 0740 0850 1210
 Tone for 10 sec, then off

4735 kHz, 30-08, 0700 UTC

VVV VVV PROMRCh = 30 08 =
 1000 0780 0820 0930 1300
 1200 0800 0830 0940 1340
 1400 0830 0860 0960 1340
 1600 0810 0840 0950 1310
 1800 0790 0820 0940 1300
 2000 0860 0890 0990 1340
 2200 0710 0740 0820 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0640 0820
 0400 0510 0530 0580 0770
 0600 0520 0550 0630 0880
 0800 0720 0750 0870 1230
 = ABV
 VVV VVV PROMRCh = 30 08 =
 1000 0780 0820 0930 1300
 1200 0800 0830 0940 1340
 1400 0830 0860 0960 1340
 1600 0810 0840 0950 1310
 1800 0790 0820 0940 1300
 2000 0860 0890 0990 1340
 2200 0710 0740 0820 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0640 0820
 0400 0510 0530 0580 0770
 0600 0520 0550 0630 0880
 0800 0720 0750 0870 1230
 = AR

4735 kHz, 28-08, 0700 UTC

VVV VVV PROMRCh = 28 0 EEEEEEE =
 VVV VVV PROMRCh = 20 EEEEEEE
 VVV VVV PROMRCh = 28 08 =
 1000 0770 0800 0920 1300
 1200 0790 0820 0930 1340
 1400 0820 0840 0950 1330
 1600 0800 0830 0950 1310
 1800 0780 0810 0930 1290
 2000 0850 0880 0990 1330
 2200 0710 0730 0820 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0630 0820
 0400 0500 0520 0570 0750
 0600 0520 0540 0630 0880
 0800 0710 0740 0860 1220
 = ABV =
 VVV VVV PROMRCh = 28 08 =
 1000 0770 0800 0920 1300
 1200 0790 0820 0930 1340
 1400 0820 0840 0950 1330
 1600 0800 0830 0950 1310
 1800 0780 0810 0930 1290
 2000 0850 0880 0990 1330
 2200 0710 0730 0820 1100
 0000 0620 0640 0700 0910
 0200 0570 0580 0630 0820
 0400 0500 0520 0570 0750
 0600 0520 0540 0630 0880
 0800 0710 0740 0860 1220
 = AR

4735 kHz, 31-08, 0659 UTC

VVV VVV PROMRCh = 31 08 =
 1000 0790 0820 0940 1300
 1200 0800 0830 0940 1340
 1400 0830 0860 0960 1330
 1600 0820 0850 0960 1320
 1800 0800 0830 0940 1300
 2000 0860 0890 1000 1350
 2200 0720 0740 0830 1110
 0000 0630 0650 0710 0920
 0200 0580 0590 0650 0830
 0400 0520 0540 0590 0770
 0600 0520 0550 0630 0890
 0800 0720 0760 0870 1230
 VVV VVV PROMRCh = 31 08 =
 1000 0790 0820 0940 1300
 1200 0800 0830 0940 1340
 1400 0830 0860 0960 1330
 1600 0820 0850 0960 1320
 1800 0800 0830 0940 1300
 2000 0860 0890 1000 1350
 2200 0720 0740 0830 1110
 0000 0630 0650 0710 0920
 0200 0580 0590 0650 0830
 0400 0520 0540 0590 0770
 0600 0520 0550 0630 0890
 0800 0720 0760 0870 1230
 = AR

DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

11076/9164/7316 kHz, 01-08, 1015/1025/1035 UTC

00000 +++++ +++++

11076/9164/7316 kHz, 04-08, 1015/1025/1035 UTC

91405 35166 01912 80922 55353 14146 15182 49978 68353 88761
91316 20829 47996 86491 40331 81704 01229 46050 50703 24492
09922 63970 16011 46632 84107 79556 53446 12494 12589 46653
56430 85147 65588 65671 48486 64502 29147 74309 30568 92716
75939 20391 39043 12831 02210 65283 56500 91571 85500 91308
42577 42238 42879 11604 76997 08638 94329 05857 31999 95985
61017 30357 16351 59715 53098 75802 58130 88141 26770 71299
18464 39904 15246 57985 53413 22136 63343 80727 66186 20290
20375 71313 16876 15565 71023 21595 81900 50868 08898 70001
80340 31246 82448 49877 09357 69729 67937 73066 55881 14522
49140 47193 76759 18482 08478 50069 64542 36816 59267 09668
41105 63940 73758 63104 46292 45436 86674 93051 13764 26045
78922 65044 51239 19630 71158 14089 67320 12052 81919 54033
12089 32891 29983 08131 23656 56954 85652 84225 97857 21509
00660 43009 23285 70166 71370 32780 48831 59379 14970 89146
75945 88453 63327 23103 92779 39055 04234 45928 92426 35109
24672 04336 42414 59055 35840 24316 97663 85386 84597 87104
74098 17412 81017 85720 25068 38176 96745 35507 87811 11483
13853 37113 92112 93940 28849 15355 48358 44002 41574 82394
57174 38889 83631 98667 07831 35386 66065 30013 57611 35406
50957 24416 09317 42287 76644 56832 29107 18738 91228 15510
71862 82398 74085 28247 06250 99916 50035 52043 56683 65511
25892 74549 04372 74940 04052 00788 14627 30816 52822 23550
82635 40205 38185 00933 14878 90457 46659 89438 88368 14184
53976 06077 54927 79341 19237 17909 82649 65353 09247 82471
51776 11190 82712 87519 47142 46378 88994 63515 14400 40841
61090 67316 72187 34537 07549 60489 97459 32810 32995 30694
26132 78406 41960 29559 36261 36089 05694 25518 05919 50784
96656 95006 62969 65204 20374 00490 68921 07876 99338 28732
04062 87519 88660 87764 46030 54717 28127 85985 59050 16793
60393 41817 35989 16863 69961 97370 60433 12979 22652 34559
80978 18308 10252 17079 14909 88284 30024 06711 23457 65671
53772 27382 25838 19472 66134 75410 44240 38625 76812 99380
96953 66418 36412 98088 81842 86573 10577 09988 17322 96914
92120 92579 33060 31584 55829 15178 27554 17723 85627 13494
34807 77565 28796 79475 67263 11882 56927 84831 27204 25700
38310 61697 03784 82259 51418 88851 97908 96117 94212 56948
42122 01360 68921 11187 07707 55834 47001 94858 16175 67375
43958 42214 97345 52922 58724 94079 61188 66493 57269 34669
75622 56946 05136 73022 67467 41452 78594 17513 88716 05642
09090 16855 15338 99403 00000 +++++ +++++ +++++

11076/9164/7316 kHz, 05-08, 1015/1025/1035 UTC

42111 65400 91999 27927 08076 65725 35088 95516 30900 24820
58470 67121 38065 84763 70862 52891 88205 53151 57377 89106
91312 97883 22242 95521 14199 68233 62870 89443 69651 34364
36208 61243 12716 62495 03308 40971 92545 67900 63067 10778
33255 12919 11056 42827 42212 42187 84384 67375 69216 72247
78545 00724 64984 77757 47160 87715 12396 41449 20579 38470
28929 60066 04260 64053 63724 23427 42879 40746 37715 08831
61093 57623 00264 57979 16902 27123 00734 28609 28547 63281

98446 01081 00000

94404 43881 72421 09891 41031 90438 04659 29965 43934 58145
11788 21767 49658 49915 34325 92646 93748 12490 26078 87100
51013 56506 98202 25832 24553 70398 32508 90998 65756 89101
68676 81087 42424 03465 95103 83859 97244 21327 98041 40796
63771 16199 48721 01489 32120 24467 33159 91401 81549 77081
54322 41463 22139 76649 61346 52897 12717 55871 85493 95753
47264 78273 87531 64568 26949 67154 46228 39585 60000 73691
42649 26988 56598 02073 00000 +++++ +++++ +++++

11076/9164/7316 kHz, 06-08, 1015/1025/1035 UTC

55024 05952 26042 11408 76019 79036 74107 75397 66529 45610
83241 33161 69615 01419 09395 25559 70119 48383 25725 11121
99444 12246 79568 94682 97462 45860 77647 97127 79990 60311
10423 20932 85265 51058 51553 91199 97865 11283 93386 76872
73509 49631 04425 21803 13171 54540 19698 40375 59947 72331
99987 57374 17119 91262 20834 96763 10842 48723 77267 49097
45899 03763 15196 72211 27963 42140 25395 04924 50795 06074
61030 98391 71824 65895 64656 94847 24549 75782 15617 08376
41180 80749 33804 87430 83986 67119 00693 63780 08764 73613
83606 17569 08873 05294 74134 13168 13281 17513 76654 85525
37041 62077 07886 81691 07655 12800 93417 87197 15751 12641
72141 91998 63514 09612 44545 75642 09311 73641 25773 16375
31937 11584 89424 53850 62942 22558 13008 60145 60445 60809
60984 98764 22900 98276 66362 76319 66241 04052 96748 16565
12837 82926 15822 11496 65705 40203 76143 29177 66419 64966
04264 83002 60137 48998 64046 92058 16201 83521 09147 87301
77743 00972 60599 43214 38732 53965 70432 39637 71887 48672
57257 83472 55931 74761 24769 44930 75574 99123 99093 88011
92703 15546 45921 99928 12198 67533 53358 49126 90804 86462
91446 26608 62528 12254 84276 50256 78956 88751 55630 36818
87961 50995 34109 71260 99222 46582 28660 28179 10004 58285
10456 24936 89615 20143 62059 11234 46017 44180 79808 24796
22971 99973 40364 67846 01213 14226 67354 84089 02060 82552
59053 40847 16892 10667 63035 46077 10960 27135 08733 54931
74937 34912 33850 45554 22671 93832 65557 68811 58556 51241
42408 01625 62981 62957 87916 58613 69272 71766 71734 41721
30586 35603 19362 32523 00171 22645 56327 56884 73454 15480
97786 76687 65382 91540 19459 88281 21446 72003 70855 32364
85837 56329 16731 44980 75178 84631 17687 04314 31247 95068
85882 52975 51145 68445 76776 00457 18351 77201 02841 35459
83081 80989 80184 02764 65410 36019 44027 24345 79581 10357
93958 69409 02947 22374 54914 03045 37969 44524 64818 68170
40736 39639 24825 80484 14408 21937 73083 41071 91050 59918
67992 96386 50277 63349 91851 00284 48152 21510 10865 57786
54780 84904 52431 55277 24031 07614 85654 06811 43820 92475
16019 71215 40404 06295 30150 19696 35109 57248 51629 58603
76948 51693 93763 37068 99541 72556 20276 94188 75802 46487
49841 25459 68808 91973 65402 73110 02303 65600 14216 70085
99263 48641 09556 92293 61976 41166 70010 98869 92044 55859
57323 65100 73786 28734 98695 37715 69437 88921 04509 67229
99619 54738 17390 97026 07492 48201 53562 13863 30033 45200
22420 89486 24892 03487 35261 68062 26243 35695 39121 79076
28074 19566 36638 80423 18368 62561 77893 61353 12588 63067
35161 59969 59922 35361 96506 74968 20721 03437 00000 +++++
+++++

11076/9164/7316 kHz, 07-08, 1015/1025/1035 UTC

Messages 4 and 5

Very weak. The messages were largely un decodable

11076/9164/7316 kHz, 08-08, 1015/1025/1035 UTC

00000 +++++ +++++

11076/9164/7316 kHz, 11-08, 1015/1025/1035 UTC

05192 78360 05087 87297 87052 83485 49550 02531 21457 14948
45382 80844 41523 21330 25419 11011 89033 76163 55437 87506
39375 46403 95275 09897 67210 64511 78033 72552 63803 58854
80762 11886 41944 22073 85108 03289 89413 22143 51328 24973
56911 85785 54122 30886 91403 08940 53724 99904 50813 73965
00678 53472 60994 78274 97745 58896 00933 04080 67384 60464
27106 83933 98222 05589 72937 41770 68978 58155 84290 14108
73261 16262 76934 81128 93685 76550 26913 62294 98739 12294
29776 56217 60845 57453 89576 29440 19047 13871 23612 83843
34770 23801 93804 57344 14077 74954 00697 37586 94868 30253
00971 93305 22468 99482 34444 53063 62010 95020 71478 86019
21099 38839 16729 64459 81142 12960 30190 12729 60828 70560
51446 72298 60158 49905 38107 37619 58489 58298 54312 42468
65014 18251 70299 01471 45126 93029 58920 36489 71095 33796
00085 42555 70495 15516 29045 73045 70834 53820 89461 48783
63800 20018 77199 20750 37580 96428 85780 41103 50684 39254
89435 22175 45710 41132 24686 88152 26479 10612 56405 49120
47001 10686 39285 52152 85687 23610 10655 89140 03249 34172
75582 66056 07734 48606 70192 63316 75127 91339 14160 41954
98952 46761 88281 75278 67315 38191 98104 10711 90828 61250
09504 91480 29855 13813 67190 92873 94494 89720 32056 52723
15776 28464 98305 00818 11467 38003 76313 16929 94958 32917
52135 72141 00644 55078 59627 33163 24252 69034 26088 34319
01544 49279 77383 46907 73842 01612 13476 00598 13799 85759
90305 36584 09868 31462 68948 97145 32897 65199 18010 81332
33289 89750 80166 21449 42173 83770 38811 60025 75003 13581
45734 31964 61053 74343 95774 81549 47212 02831 59381 69012
49545 28951 19024 46326 51040 58240 00389 06932 68983 02497
94293 39081 40402 00745 30270 37471 99014 97720 87734 52875
42116 72062 95702 84443 10848 31403 76969 44372 32278 16530
37705 49620 96741 81831 38395 20364 68870 44187 07067 89881
55749 17510 80738 55544 80638 75116 86029 25616 35707 07119
94863 41533 12199 65024 16216 80367 31482 10727 09823 67147
25413 12081 32810 51733 39457 52250 55163 29926 56999 45004
04986 13512 68280 73166 29480 78904 32406 92393 82587 49104
05854 67473 75224 88635 35924 33324 49058 16161 42572 97899
59753 64464 37054 29170 80622 42479 50824 93368 62637 79053
73128 36703 11713 53151 20726 27705 69218 40153 88172 02419
06651 28968 52115 79599 70405 89626 28024 38129 37577 96058
02799 73817 68739 33723 91702 77793 68629 46796 93037 03661
90688 04600 39024 15610 46376 91943 66294 34679 05213 53098
54467 25344 96489 44052 06220 89629 48560 72767 67296 06419
00000 +++++ +++++

11076/9164/7316 kHz, 12-08, 1015/1025/1035 UTC

25354 93845 92117 51619 60281 36527 93296 34167 45246 67310
01128 63516 45981 56046 45805 70298 88949 76631 79687 05735
52403 06043 91257 05182 52853 00437 04333 77946 62880 27976
60975 15555 21243 63088 11519 35667 21198 71833 60168 03825
87982 43078 39609 00215 81402 45151 13044 23647 84440 12681
27122 49918 63854 93290 64177 86765 13672 08850 67220 92582
17536 10959 36128 51098 90844 35364 18453 07067 00000

59409 55944 44485 11777 72356 26853 37228 03101 50138 37090
72705 90138 74496 09313 08910 61361 55337 05810 96126 37407
16924 28250 19432 02328 47851 36280 35433 06024 06970 45905
07926 61307 02458 93599 72177 84033 86224 77064 82498 49736
30830 08598 22809 65200 81121 41988 84881 78421 97748 58886
43943 75373 34778 25590 86330 37035 18562 56166 68885 55106

20076 42870 14771 29854 37895 39780 75405 98522 34001 10592
13197 67751 89614 76518 84761 48433 73227 25212 29323 16444
38036 66673 91971 47704 90953 47060 36478 00978 00389 56346
27340 46875 34990 90768 85757 66475 50522 55996 49225 68022
67091 21955 89418 95123 03870 08105 00000 +++++ +++++ +++++

11076/9164/7316 kHz, 13-08, 1015/1025/1035 UTC

Probably message 09. Signal too poor to decode

11076 kHz, 14-08, 1015 UTC, FSK 100/1000

Wrong speed and shift. Sent for 15 mins. No transmissions at 1025 and 1035z

73370 12351 15410 15278 81357 88780 68850 08738 47644 67251
41772 77274 86758 66382 12108 37042 08352 64802 15006 73004
33843 88658 73854 80368 12856 35886 85828 36043 58231 00552
60377 82288 38084 50878 32073 88787 65328 44132 88788 82268
78716 38551 62175 68822 83618 21128 48785 03762 27606 44208
76823 28130 42726 35701 61418 23544 73468 02587 85848 17051
88308 28468 88311 02288 08802 62650 81063 56485 63128 31780
17877 16453 35076 28388 65756 80801 84344 56234 94441 31261
79155 37060 40937 68051 47070 08460 17117 45144 14980 67551
46923 49027 24180 40134 30913 15275 91495 80025 61684 99423
32364 28258 38609 44413 66837 10105 00000

15868 53600 96777 04215 18998 05154 43329 27264 17643 75036
74390 82512 52075 30616 31755 78699 39883 04326 75134 77051
75564 85437 09740 72950 57578 49030 99906 07761 66264 39357
54675 40533 41085 49799 96295 34249 30619 66583 47572 36311
13745 68457 99000 57954 15458 99511 41617 82269 65750 57334
76519 55536 74992 63682 36975 41534 24263 09860 84073 43534
94051 93993 61843 23651 79780 92389 22788 74254 67581 32160
59758 21106 68756 57300 05123 11075 00000 +++++ +++++

11076/9164/7316 kHz, 15-08, 1015/1025/1035 UTC

00000 +++++ +++++

11076/9164/7316 kHz, 18-08, 1015/1025/1035 UTC

50598 83614 10817 30019 29901 13222 97273 19156 83564 40094
17668 17583 89528 96772 23933 06142 32834 87642 08870 78201
02179 40441 07431 64848 09611 73488 76621 53141 75555 89577
08706 70871 46368 32463 57391 36264 36582 66883 81697 96055
13063 68058 37187 00393 63237 31592 69242 87980 14594 39728
88085 79926 97641 44892 30223 05709 69512 56445 36001 09714
40394 41614 97966 11776 69985 76503 59711 20162 26157 08156
69893 20431 23006 13575 21128 88610 80492 66664 28416 02131
72851 49012 26825 46946 57949 65462 93084 44284 04798 50406
20807 45468 61394 75734 03991 68237 30080 96388 08536 73009
42607 94447 36411 02523 52101 07686 12203 33299 84105 53540
46706 12350 13894 84426 57252 77585 62239 35344 49472 85344
26833 49694 90156 93497 91524 94268 25937 73544 80595 99331
27437 50164 50226 84731 63609 91636 34370 57996 35936 99582
87197 95332 27175 71458 89319 41467 44348 34236 09964 89288
60650 72728 42294 25195 85983 00958 54062 51112 20775 50048
20786 19109 72798 71048 33622 39541 41662 76138 99145 48675
00666 66649 73203 46716 30702 21336 96041 42192 85900 43351
20886 63613 95700 89331 53171 24358 33029 29067 42599 51721
03287 09162 95219 16062 33817 19147 97713 20975 68557 83458
71074 40450 97541 27747 95871 13930 75973 92930 76282 35223
12514 95443 35080 96195 31514 57114 56766 71193 38851 53105
21039 53115 46068 51363 93777 77090 32504 42004 67732 92691
50090 80086 70114 70614 00527 90187 79262 54773 39492 06248
17581 95741 87602 45093 12936 26478 52795 37101 45694 66276
93816 62417 23598 63874 79527 66188 51652 15661 23678 51231
89223 19915 99873 71578 11538 53024 66394 75347 17748 78609

55571 70357 52783 25494 07397 10940 35152 95461 52061 29377
07883 86741 71108 60408 54805 44144 91884 32241 49348 71797
94975 22497 28044 69427 39330 02550 05927 78096 34734 18662
76012 46364 16339 83392 60053 52788 00935 75684 02744 45715
29642 73089 26571 86289 26720 64546 89501 05630 29171 17182
12686 12092 66843 95537 70363 09577 97696 56680 59177 12810
27943 69630 89053 70523 71731 32547 62864 32495 30071 86094
37036 21364 93680 46448 80311 95180 99456 06362 72841 11601
95233 77739 12793 29694 92538 74148 22663 10274 12020 56711
72498 00709 51236 91816 62183 15140 29503 94079 30003 46047
89469 52996 79666 68101 60129 66727 42969 20238 10937 31449
20291 76889 51729 59701 66112 44320 58135 26188 11738 42990
27162 64447 42411 61896 92637 62843 71022 95824 55215 33308
75568 01441 06610 51279 92586 33180 52757 90262 83720 44848
65592 99462 17629 67889 18128 97918 34401 02246 82517 83578
84693 80759 95795 80755 60749 12425 00000 +++++ +++++

11076/9164/7316 kHz, 19-08, 1015/1025/1035 UTC

03239 26541 07523 91143 09660 63615 61765 26923 12467 02567
07975 49509 54485 15027 66784 49448 00334 58537 73145 12703
10856 67462 24637 30948 38351 47905 49792 11967 22297 75062
88637 51081 90246 16463 02622 49549 93591 29521 56126 90881
32867 06837 36752 11001 52308 67703 06554 23185 08322 19226
01425 83736 41575 35518 20815 09310 07385 28397 74962 81837
44098 08025 81839 01989 84140 56924 30984 77105 37440 65812
56424 54543 01886 13073 00000

37186 40500 96113 41479 90269 96396 24766 14473 23339 99431
14203 62170 10384 07411 67786 48031 76968 64546 63485 21451
42810 08068 55681 70520 04289 74536 75500 67448 80339 23060
15624 36359 70162 17585 10505 98127 96185 35459 47937 71967
30719 94454 72903 38434 29736 15430 69650 93544 22222 62826
32924 48698 28532 30187 64301 56087 06182 62878 54554 64280
46523 35209 37993 33668 70730 24129 29715 66467 98549 46698
81699 30954 88231 53517 18694 84626 71092 95292 39817 25984
29152 14081 00000 +++++ +++++

11076/9164/7316 kHz, 20-08, 1015/1025/1035 UTC

Probably message 15. Signal too poor to decode

11076/9164/7316 kHz, 21-08, 1015/1025/1035 UTC

56808 86858 31928 54620 96135 75668 16417 77227 99736 95232
65691 99103 77966 87146 11808 76024 62110 44927 82793 25233
99011 80887 05706 84545 65319 91138 00435 25061 49807 60933
75150 72176 77196 77524 59355 14594 71918 42733 35471 05992
85258 02409 54893 89072 34311 34977 49464 96650 26198 66247
74285 09487 65965 02688 42821 75543 71625 00337 40223 20356
44746 11552 25812 03198 70062 76774 60661 98746 42517 16069
00000

56974 57428 78197 76726 78623 38716 38798 95352 74011 47545
45424 56027 90786 76824 10943 39654 91341 02949 14459 02483
35521 93085 06541 45956 48586 38744 45781 43292 72864 07793
27652 27487 26536 32125 91576 70436 17984 73155 17163 07857
89142 32338 45539 89693 86298 98885 86715 60707 81759 51893
98928 00918 94844 59032 50888 80607 85633 39024 02875 09557
19894 80066 67623 85205 28651 31400 36929 69431 10818 10218
84911 48624 52326 91083 83875 56754 60208 70063 93714 66111
35045 20747 10778 75407 30244 84358 87151 49936 71557 61127
56289 93462 35305 95126 25924 56541 08716 69743 24207 10954
80843 55994 09999 44937 37476 80850 83273 58906 58499 17109
00000 +++++

11076/9164/7316 kHz, 22-08, 1015/1025/1035 UTC

00000 +++++ +++++

11076/9164/7316 kHz, 25-08, 1015/1025/1035 UTC

95871 70980 40098 25938 43333 30977 96004 97491 23210 50960
49199 81307 88834 98440 16502 32854 49367 53285 42535 76682
09761 26264 86214 07637 20582 26923 53823 24981 92382 54192
45857 35371 54315 08204 09828 85611 61669 46729 16204 11137
82023 34684 99696 11152 14695 60138 33049 86369 23183 15265
25548 00282 85280 65674 63419 49911 90559 56556 34308 56959
39896 29083 03033 15317 26738 45498 30791 55850 04806 46341
55012 14411 71890 88227 72042 14011 24471 35647 89845 97088
62801 05191 42919 68816 51193 85664 86594 37374 63142 82516
12929 62140 66019 60015 55358 45722 24993 79629 74314 30782
30883 58021 40983 87574 81617 93119 61391 03152 72005 31693
08023 08164 71484 76858 51130 02195 94548 58977 06951 63569
93542 18365 44997 54574 28506 73247 21622 58020 93746 71424
32036 06099 05856 49043 97979 87451 82822 44955 33209 43407
68958 44065 54021 89308 85301 48127 26975 21889 10206 97417
71007 98600 19786 91726 56134 99873 42918 84098 65920 10207
10475 45773 15907 79054 03491 25743 45179 47429 29938 53390
23274 51170 84799 57615 39598 36801 73138 00919 67561 50933
00840 51851 20598 89136 62708 44288 42275 15214 82632 96950
97667 86838 85469 91628 58189 48463 05369 33518 97072 77455
60206 42141 37678 94397 46810 46256 21821 73478 36692 81216
90308 13926 76935 12208 92869 58405 25961 31799 69668 69333
78838 05249 71586 99037 61833 62005 11459 14705 00882 56829
63462 64041 93683 48990 52825 92608 40087 72963 03071 48745
10470 99067 32948 37026 56791 07479 20280 06201 96005 24072
74873 82531 20538 91500 87713 84487 15482 73981 48604 79719
87233 19199 49461 70260 33239 25781 15432 16885 07538 89777
31038 38563 61795 28580 53525 47956 66517 05719 30600 08879
42118 04981 64763 26672 54544 27276 91398 07432 55142 08698
62826 47010 69441 83212 55498 35750 64553 38418 42526 89870
49881 37797 98730 45461 90802 07925 30395 76000 40039 14044
46913 19354 16384 72463 16523 25180 85484 73206 73303 58680
22357 11356 67638 21644 60334 50518 77312 76707 56121 66869
21450 85771 25652 47187 44466 98527 30438 39337 62229 52006
19091 78633 87616 67109 53704 38518 77648 53042 75796 78987
69401 55602 91477 91220 96864 10250 80556 61827 05956 85894
59248 05168 09856 30358 51194 37173 51873 53414 46461 89112
68008 08384 53220 84729 66417 58185 71791 29207 65952 36810
45732 83376 60979 42132 69670 21621 04645 21016 58560 96911
27794 32636 08053 61404 35712 00961 00665 16045 49896 92335
37443 87609 87027 79103 99789 56636 92336 75187 71171 84655
69555 54595 73356 14193 74636 88764 96912 39946 65429 63698
30614 74607 24503 62816 19466 57736 97295 26473 06036 81151
12791 24069 34768 29251 78893 99701 23972 57720 69708 18439
00000 +++++ +++++ +++++

11076/9164/7316 kHz, 26-08, 1015/1025/1035 UTC

56808 86858 31928 54620 96135 75668 16417 77227 99736 95232
65691 99103 77966 87146 11808 76024 62110 44927 82793 25233
99011 80887 05706 84545 65319 91138 00435 25061 49807 60933
75150 72176 77196 77524 59355 14594 71918 42733 35471 05992
85258 02409 54893 89072 34311 34977 49464 96650 26198 66247
74285 09487 65965 02688 42821 75543 71625 00337 40223 20356
44746 11552 25812 03198 70062 76774 60661 98746 42517 19069
00000

56974 57428 78197 76726 78623 38716 38798 95352 74011 47545
45424 56027 90786 76824 10943 39654 91341 02949 14459 02483
35521 93085 06541 45956 48586 38744 45781 43292 72864 07793

27652 27487 26536 32125 91576 70436 17984 73155 17163 07857
89142 32338 45539 89693 86298 98885 86715 60707 81759 51893
98928 00918 94844 59032 50888 80607 85633 39024 02875 09557
19894 80066 67623 85205 28651 31400 36929 69431 10818 10218
84911 48624 52326 91083 83875 56754 60208 70063 93714 66111
35045 20747 10778 75407 30244 84358 87151 49936 71557 61127
56289 93462 35305 95126 25924 56541 08716 69743 24207 10954
80843 55994 09999 44937 37476 80850 83273 58906 58499 20109
00000 +++++

11076/9164/7316 kHz, 27-08, 1015/1025/1035 UTC

Probably message 15. Signal too poor to decode

11076/9164/7316 kHz, 28-08, 1015/1025/1035 UTC

No transmissions

11076/9164/7316 kHz, 29-08, 1015/1025/1035 UTC

00000 +++++ +++++

F02 – Russian domestic net

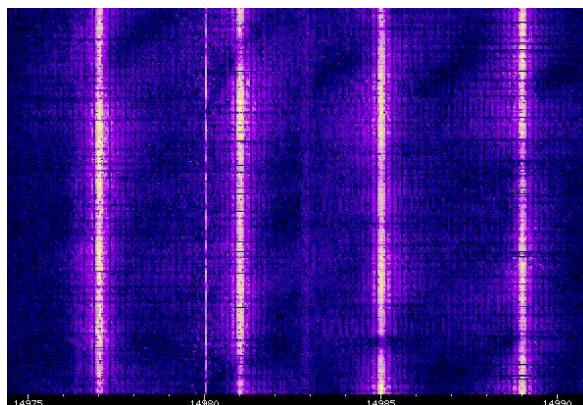
14983 kHz, 12-08, 0800 UTC, MFSK-4 150Bd/4000Hz

13883 kHz, 12-08, 0810 UTC, MFSK-4 150Bd/4000Hz

14983 kHz, 19-08, 0800 UTC, MFSK-4 150Bd/4000Hz

13883 kHz, 19-08, 0810 UTC, MFSK-4 150Bd/4000Hz

14434 kHz, 26-08, 1653 UTC, MFSK-4 150Bd/4000Hz



F06

Link 00000

9362/7984/6802 kHz, 04-08/05-08, 0800/0810/0820 UTC

11100 00000 35287 01002 00939
04763 72732 37547 42742 80680 87043 11530 68828 12201 51172
70180 78962 81556 62780 09300 64626 83541 57726 92632 41778
59147 22000 30275 36658 93360 24453 61092 91619 13057 50022
37578 83161 45928 38127 36587 69364 26389 55928 44388 08897
59385 61140 89475 18804 78056 34083 21558 63237 56178 83651
60192 90349 61332 56910 61475 59500 59734 06980 76238 25998
08658 98914 98187 75537 97395 58258 25423 25539 22694 91956
83766 35567 09594 36328 85356 94017 13626 11772 20923 73263
65282 88891 09194 70445 42721 95750 51875 76090 83618 20907
67622 02091 00000

9362/7984/6802 kHz, 11-08/12-08, 0800/0810/0820 UTC

11100 00000 36479 08003 01259
05811 42250 71217 14983 78770 99091 15550 36769 85870 13246
18555 07803 95203 01322 19025 75733 88439 63835 55350 86586
41094 80292 09700 49432 64611 13357 97620 28106 83702 89290
38972 39658 47372 46849 71157 64241 97079 71820 90568 96103
40463 59394 33201 90381 04065 71560 30353 85388 63503 81700
00375 05070 74521 23582 62378 71329 53352 86935 82862 80902
79835 26799 91189 26466 21731 78817 24838 66680 03655 97690

90384 74834 69086 60949 51146 20803 08879 05255 77413 65985
54708 87401 20229 75921 60905 87219 91365 98554 70887 40120
22975 92160 90587 21997 96613 65340 86590 14169 49827 97628
12642 34945 43697 03955 64207 67751 59096 20100 52308 03221
01794 12974 76788 42109 58259 03378 58924 52102 48442 73646
98352 46203 86455 03123 00000

9362/7984/6802 kHz, 18-08/19-08, 0800/0810/0820 UTC

11100 00000 51479 15004 01559
99620 46315 96262 61990 63683 27880 04783 80237 94004 79096
79900 56003 98602 55456 51108 71870 41062 03178 65970 23071
59520 97892 02333 72234 09197 01014 68893 46041 14381 63464
42607 15950 40844 31457 16329 30201 24591 34014 55160 89276
17897 56907 84917 81995 38575 32720 61167 24455 33389 01705
92270 68980 91581 23126 14864 75287 69421 41787 45217 61038
11736 39411 54917 73978 81343 25581 44293 52840 32344 47913
12043 69214 88182 26155 44483 67551 10449 39902 72868 45506
69323 24613 72213 41796 51635 55607 00055 23770 67440 24748
98594 91868 41084 39484 08660 43168 97670 98938 68912 61193
80875 26743 98757 24190 63051 65294 88371 49036 33548 61122
44306 12991 76196 96059 64088 20462 71895 43907 38265 06977
87223 57258 03329 97552 35030 14208 93956 61642 17937 79592
68005 31861 90683 60483 02694 78654 02258 60593 85418 58126
03759 63309 47636 75188 32901 98015 15246 29233 11139 69409
73915 34515 14307 04153 00000

9362/7984/6802 kHz, 25-08/26-08, 0800/0810/0820 UTC

11100 00000 87469 22005 01279
96393 79497 77598 64910 30065 46591 46882 81099 63275 91059
46772 95514 46421 43287 96146 12393 24877 26111 64058 26286
92867 92955 04127 12782 40802 33244 25353 01346 13250 31033
29060 78734 19753 87814 66619 96411 65652 45404 97674 80404
95123 69874 53539 67042 63609 82455 35457 13004 81831 48347
02412 53128 98569 59380 28178 04413 14404 71459 32299 39636
43599 82732 14669 79054 66316 63420 48429 73596 38352 73235
10841 78005 50576 27351 56840 37351 55273 96829 64957 35368
01559 54467 10281 78041 47065 01984 44163 10886 38093 39503
85357 93352 75394 63245 52255 78807 07800 02395 90935 73504
20856 31049 78701 73010 12677 16213 07786 99496 74182 87765
78923 88361 15931 41333 59480 97594 08705 10013 85809 38340
30069 65877 14546 50080 34064 05125 00000

Link 09501

17532 kHz, 25-08, 0100 UTC

11100 09501 00000 25061 02579
83834 29948 44852 70096 20062 64324 61360 67846 45316 75364
51628 50677 97684 32092 28724 98647 26073 97072 70679 02970
66783 28064 22512 44855 81522 86801 33889 52596 86522 03346
74623 47793 27461 69438 95190 16689 79869 59293 24455 67539
79717 01274 21782 59945 13863 48880 25744 17111 25050 24495
66584 56932 11142 34316 34648 02888 23292 77923 21952 60638
92713 00910 79086 71296 40756 64012 54638 77285 51977 27191
09322 61739 14876 72083 22002 47374 60002 11275 29799 65770
50110 57824 69467 32997 02049 53480 12227 92529 45086 79027
09240 11386 45338 95196 89920 40421 51003 87583 80263 74723
38083 14001 33381 75043 61278 77722 89432 36193 39753 75025
07137 13365 32443 90506 34054 42284 82605 38573 07825 14161
36296 74573 05555 91349 64454 23988 83528 74686 43298 03128
74446 58406 72694 29771 34365 33611 37221 47181 56534 26195
39577 09944 94318 80194 61050 05048 60380 22478 28728 06672
94329 69720 94125 88084 16011 63603 52929 39127 06627 45172
60546 62684 84878 04298 23135 48608 70316 65164 68817 48515

51077 93733 28749 99903 98215 38123 82745 73019 93795 37824
49145 38915 64941 62714 23593 82146 41035 67782 96445 06519
76243 74523 03471 07353 04567 14925 89538 08684 19593 98988
89988 88841 96143 91727 59356 42844 96013 10575 02156 55052
24962 79129 85396 80507 33175 98205 37527 58406 76368 20087
63495 06132 79721 36947 30602 67298 71829 19377 04852 12234
80863 65930 42471 14338 10132 49657 66300 50762 35210 72537
81720 00842 89852 63765 11836 40714 32855 82825 56571 57575
13063 13277 05386 31997 74714 61255 00000

Link 10053

22913/18241/17455 kHz, 03-08, 1530/1540/1550 UTC

11166 10053 59481 03001 00049 00000 00000 00000 00000

22913/18241/17455 kHz, 10-08, 1530/1540/1550 UTC

11166 10053 74523 10001 00049 00000 00000 00000 00000

22913/18241/17455 kHz, 17-08, 1530/1540/1550 UTC

11166 10053 13579 17001 00049 00000 00000 00000 00000

22913/18241/17455 kHz, 24-08, 1530/1540/1550 UTC

11166 10053 95184 24001 00049 00000 00000 00000 00000

22913/18241/17455 kHz, 31-08, 1530/1540/1550 UTC

11166 10053 74523 31001 00049 00000 00000 00000 00000

20917/17529/15765 kHz, 05-08, 1650/1700/1710 UTC

11166 10053 95371 05001 00049 00000 00000 00000 00000

20917/17529/15765 kHz, 12-08, 1650/1700/1710 UTC

11166 10053 15963 12001 00049 00000 00000 00000 00000

20917/17529/15765 kHz, 19-08, 1650/1700/1710 UTC

11166 10053 48526 19001 00049 00000 00000 00000 00000

20917/17529/15765 kHz, 26-08, 1650/1700/1710 UTC

11166 10053 13579 26001 00049 00000 00000 00000 00000

Link 60070

12208/10166/9237 kHz, 05-08, 0030/0040/0050 UTC

11166 60070 74523 05001 00049 00000 00000 00000 00000

12208/10166/9237 kHz, 12-08, 0030/0040/0050 UTC

Poor conditions. Nothing heard.

12208/10166/9237 kHz, 19-08, 0030/0040/0050 UTC

11166 60070 95184 19001 00049 00000 00000 00000 00000

12208/10166/9237 kHz, 26-08, 0030/0040/0050 UTC

11166 60070 52369 26001 00049 00000 00000 00000 00000

Link 70059

10263/8126/6888 kHz, 04-08, 0400/0410/0420 UTC

11166 70059 95184 04001 00049 00000 00000 00000 00000

10263/8126/6888 kHz, 18-08, 0400/0410/0420 UTC

11166 70059 13597 18001 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 01-08, 0700/0710/0720 UTC

11166 70202 18749 01031 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 04-08, 0700/0715/0730 UTC

File 44404 (binary contents)

10394/8076/6768 kHz, 04-08, 1200/1215/1230 UTC

File 44404 (binary contents)

11076/9053/7386 kHz, 05-08, 0700/0710/0720 UTC**10394/8076/6768 kHz, 05-08, 1200/1210/1220 UTC**

11166 70202 68214 04005 01859

24193 99687 17033 17107 79168 97661 54697 06016 34741 71194

03357 67484 98854 05205 88562 09032 82909 00708 10485 81968

70771 88627 56720 64199 26552 37454 84344 89223 33353 15690

75887 44762 80143 95017 98921 89451 38980 05131 23949 61035

99740 76152 80283 74511 54566 29603 54599 33641 49198 03831

61851 04288 43394 24853 43242 23002 47622 58552 70926 39302

28199 05148 64142 15084 98086 21896 46459 29588 35508 84953

98819 63388 97592 26327 88076 59802 21223 06871 75701 87195

28279 11249 36355 50594 77459 75809 41016 26054 29882 85309

84340 16223 20630 99420 60948 50525 53450 94958 20326 78423

60782 34774 55029 29174 96301 99244 01873 36528 52181 41292

60793 51812 18236 50879 61083 93825 25152 39922 29670 08989

38995 83535 41129 40186 99158 78575 54135 27736 16975 05403

64016 90925 77142 03801 26111 63556 09186 98995 29616 81921

21111 38713 26611 48669 12465 27204 45937 20981 08970 67179

46640 96500 85933 45599 90643 95458 72610 24241 39345 62425

54711 20992 03836 36125 17245 92800 03409 60761 94875 56230

12069 37280 21994 06545 97702 38010 99674 21263 83627 33123

21722 59130 87180 05183 00000

11166 70202 85147 04006 01639

78448 27331 37734 11315 70188 60049 15077 85060 65379 24860

66109 88706 93893 58202 83455 12496 17563 97338 68931 18022

81933 32865 64837 38446 36081 01546 86912 87006 93936 86678

94883 53528 35547 18162 61553 93593 71717 89452 26354 40091

20472 33614 44322 91801 68764 25627 66407 58735 17884 03159

12082 68882 35986 22981 20159 66087 66193 95215 88775 53719

63699 62599 40481 63826 60312 16959 73348 56477 79876 70076

84065 78952 53018 21145 73934 39499 04633 87982 73720 75313

12575 94208 48281 19456 60969 29571 66927 96377 36596 25591

50432 00745 41769 13743 30648 39257 22167 58328 83655 40136

33034 81254 22379 59981 92206 20888 59623 42674 93381 92180

77451 10021 78088 40253 63844 88822 89782 04624 02592 04059

58507 36262 27338 92866 89558 34676 75724 19017 54594 97190

04570 92558 08619 97631 52023 24329 81285 36589 57626 70016

15955 30445 76221 43461 54940 31367 46649 03875 94385 95440

01164 46688 57207 41133 26513 52680 57543 65280 12611 75116

55140 06161 00000

11076/9053/7386 kHz, 06-08, 0700/0715/0730 UTC

File 44407 (binary contents)

10394/8076/6768 kHz, 06-08, 1200/1215/1230 UTC

File 44407 (binary contents)

11076/9053/7386 kHz, 07-08, 0700/0710/0720 UTC**10394/8076/6768 kHz, 07-08, 1200/1210/1220 UTC**

11166 70202 36520 06008 01579

81664 96723 80554 51194 30890 32187 29441 77998 99335 59343

53832 62825 36936 10265 01074 52329 01637 73094 78943 95739

66225 19947 63908 29844 61975 18887 29769 66016 32550 97184

32672 58985 96588 48020 13396 62029 42432 97836 02861 98283

03409 76524 41803 02849 87119 57624 50542 15385 57180 60740

09788 27887 90822 33343 38412 17318 60828 54159 79143 17798

15208 25327 28097 12024 53075 45510 69094 46625 20145 81156

98709 01125 72307 78090 52970 65201 80692 80620 71656 03949
76691 50358 61139 15796 60343 01927 41687 12805 20546 97761
90185 78011 40517 69164 14203 79505 86951 55830 18342 45937
06302 81010 48811 33139 76625 04509 27165 36543 88443 20698
09129 29093 53031 93742 29470 29328 61593 47220 18837 29330
43753 50315 03508 37222 98797 67795 23987 13908 98109 65932
33391 08733 82236 91575 61552 23758 01019 66557 55782 61341
70222 64610 34238 34701 43120 63002 12817 46156 20439 86055
91530 62729 47137 82756 11284 08155 00000

11166 70202 42587 06009 02139
09229 98766 19087 96448 50183 19027 16867 62978 47047 04803
54893 08101 94008 78283 75325 73748 31364 69148 42554 36820
93388 72667 27440 99164 02003 36808 36589 02668 85937 76776
78819 30361 30064 40441 86032 79520 84594 73075 30661 17658
88829 54850 06891 57375 89144 09517 67835 10991 55906 07725
35856 10902 28994 13401 28220 06592 46630 46634 65265 74249
37192 61500 53289 99914 78708 62269 59313 22100 55706 06423
19949 44820 68121 67933 51512 56974 71942 59228 53619 19004
56273 35287 23403 02786 86523 28299 22576 95673 68384 86336
64513 04646 12308 14454 13532 21482 03146 41680 13576 34917
04666 62317 88475 00703 53612 24998 80981 05519 23003 67935
22754 85665 59356 23795 52495 86483 23531 42643 24414 73431
89861 06391 74213 30759 83292 33183 34781 08723 59175 95165
18778 05264 55438 98070 10303 93105 71803 96051 32835 28193
55743 40213 85628 00418 99860 84271 65749 12570 80385 95774
17949 98445 91469 46335 79557 16055 54970 79295 12581 76860
10409 78280 40190 96996 14797 85058 29803 81392 07009 40163
89922 76740 16391 44704 72942 54262 20303 66802 01091 08179
80269 41102 57710 80860 11429 34772 11053 50557 64973 78464
62787 42678 28268 85640 38397 50532 72329 08716 61660 76487
01354 05466 80404 29471 83985 14109 35709 39765 71013 60536
91761 09211 00000

11076/9053/7386 kHz, 08-08, 0700/0710/0720 UTC

11166 70202 25694 10258 00049 00000 00000 00000 00000. Wrong date

11076/9053/7386 kHz, 11-08, 0700/0715/0730 UTC File 44410 (binary contents)

10394/8076/6768 kHz, 11-08, 1200/1215/1230 UTC File 44410 (binary contents)

11076/9053/7386 kHz, 12-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 12-08, 1200/1210/1220 UTC

11166 70202 24951 11011 01659
59671 75821 97055 17190 70415 37997 01661 66158 31587 58617
44107 02770 74735 65724 91058 67549 13490 57517 58770 43118
42672 91669 28466 74818 60163 88430 30555 35578 09970 39670
58644 39694 69903 41077 99266 35239 32348 89691 88272 29758
51509 13947 29816 28960 55621 28426 38881 93087 47526 30511
93273 40641 42066 81115 06030 54162 13739 36683 54169 67749
53036 24648 24736 41004 54913 79532 64055 49087 87829 81887
41159 43580 16786 67241 61303 63825 78809 97261 90524 03454
34311 10316 77163 61766 42768 93599 81306 34675 36149 44051
48068 24873 88543 10213 85658 75937 05410 32239 34184 60042
80891 22238 36090 73971 96643 52129 44221 23125 60594 41216
28399 98194 09087 60640 66485 74205 20838 96932 30849 86608
16151 41821 06183 64116 39821 00504 99602 22951 51165 35562
28974 52221 69626 88709 00397 45089 49370 47555 10783 55431
81336 49581 36476 84671 46158 40506 93842 28482 66402 29238
82768 38027 31565 06593 49010 75456 94257 19971 26321 68310
61017 21179 44314 11163 00000

11166 70202 37951 11012 02039
62945 67063 45219 30784 92317 92491 00638 26506 50305 10475

86557 14925 80558 72746 04000 87945 51559 41506 37968 15577
13323 41711 62639 90649 14753 16588 62672 54108 23825 97301
25314 74300 17794 22728 83000 78703 35597 70253 11124 61546
09667 83557 10671 15725 19316 08297 30409 62493 32893 71641
08311 77330 30898 66593 36902 35446 27241 27031 82229 25345
30830 04410 11123 03902 14686 82067 06446 91373 84754 88053
75027 29792 65623 92440 77953 53171 45309 00046 37907 42972
46329 74489 03252 67256 15212 54555 73537 26967 47669 48757
16118 57782 91592 19078 28576 60963 95063 89798 26628 61652
91585 42365 62210 18047 39694 82231 01430 29888 59161 88605
17058 19703 30964 83046 75270 85243 53212 77850 21312 46548
70216 90153 93767 36076 16892 32699 22143 05334 45685 17196
87430 46461 28197 31223 50346 52179 48713 74596 76937 62562
31806 66151 16237 72067 71212 56869 09657 95244 52164 10295
36805 14588 84369 36169 27421 58944 87819 88229 94107 85928
98615 62099 65551 66784 87008 54224 24920 97116 04827 67765
83126 81945 04492 76421 41635 68511 96795 82079 24514 25276
39643 27267 84409 90546 74933 48315 12137 39168 55779 80189
04565 40723 31236 48912 70498 07669 80751 12528 79231 56851
15494 12201 00000

11076/9053/7386 kHz, 13-08, 0700/0715/0730 UTC File 44413 (binary contents)
10394/8076/6768 kHz, 13-08, 1200/1215/1230 UTC File 44413 (binary contents)

11076/9053/7386 kHz, 14-08, 0700/0710/0720 UTC
10394/8076/6768 kHz, 14-08, 1200/1210/1220 UTC

11166 70202 75142 13014 02239
75798 47602 10699 54211 75132 37576 69187 00202 25057 48294
34397 15097 97588 70278 86153 09141 74493 40068 20709 06345
64567 20369 20219 35616 78043 65840 50434 63002 06568 16718
97569 19741 82176 87455 80254 05789 13716 42572 97526 73534
24141 76896 98793 21372 37130 42390 86715 51822 86454 88743
88919 73894 46538 09928 59508 54379 07647 13889 96295 47742
44145 57577 84692 59333 49253 14494 04196 21571 34749 66948
58409 87810 19052 40202 14545 73575 52111 20707 63325 99834
50563 25600 35237 18021 41568 15663 34071 21477 38785 68926
73681 73009 98904 57101 28911 03251 32192 92035 36609 59504
65467 34373 07683 09765 80969 81608 36129 31607 79532 77727
15970 40619 41514 11610 02035 38077 83922 96398 75533 82550
37168 47004 00351 15109 89877 97944 80993 92838 75219 28711
58147 10349 97165 88829 02758 13947 20136 39823 94589 38179
70455 56260 96198 19425 23065 53061 58243 66229 71929 31274
17088 91055 07569 59486 70628 33159 50156 33073 43272 27254
11624 78463 76025 97676 85203 94611 02606 82716 85855 48868
97531 18815 90004 69429 07126 39317 48035 01553 99359 67453
67978 19740 93487 08258 93822 13052 55400 69091 26898 85766
69641 63467 63756 40547 24021 77871 49002 36326 67761 06247
66493 38076 29121 81854 17367 00669 03426 61172 58308 53996
47442 39542 98522 81558 41048 03239 78828 09690 02116 47649
81319 14221 00000

11166 70202 67124 13015 01559
09316 52913 76473 32104 74343 05605 85389 42576 49022 54947
33642 00411 65501 96047 43510 25777 43454 96386 72976 86486
86455 71469 62735 76813 94867 43006 95812 59319 93665 71782
30709 74332 98642 82438 94022 46812 69427 22327 43478 45251
22768 21633 37312 72312 04489 46963 70926 91908 43593 65567
66783 22378 36919 62402 28448 50467 37811 77208 94733 45805
47224 53796 54882 80550 30708 18726 10715 83901 09716 31570
96693 86155 00652 73947 93833 32010 00128 69509 98397 67789
39834 52075 31310 32280 59483 24097 99240 05874 71262 72644
43278 97692 14213 35098 36136 75393 22005 31734 13845 67333
52518 07396 52836 91791 52680 49428 28391 92917 56994 74076

15364 88121 43200 98526 17131 56560 93493 40771 33697 23442
34761 14507 04910 19803 56242 11231 89692 22470 28087 86734
67265 03884 69211 94174 71267 46472 37924 30923 92729 01264
43730 91365 12831 95422 03777 42847 51381 18401 92354 66951
41960 41393 56907 15153 00000

11076/9053/7386 kHz, 15-08, 0700/0710/0720 UTC

11166 70202 48561 15056 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 18-08, 0700/0715/0730 UTC

File 44416 (binary contents)

10394/8076/6768 kHz, 18-08, 1200/1215/1230 UTC

File 44416 (binary contents)

11076/9053/7386 kHz, 19-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 19-08, 1200/1210/1220 UTC

11166 70202 36925 18017 02299
05778 35730 53410 07691 64968 88069 48910 13473 31680 92578
35858 18581 50764 64201 17473 56567 52257 39530 83723 87302
60682 42033 31214 65182 79831 24720 70291 43369 57721 13696
36530 00009 61422 01023 48810 97353 16430 60340 81164 09735
90273 83674 40576 81321 25061 62879 67924 99598 48622 64138
04268 95507 18968 68979 89634 06189 81725 80220 86535 61247
45255 16304 45353 78504 03132 42439 53834 80152 58672 12005
37831 65258 31206 16639 05513 99548 48766 68462 52220 08430
56901 62863 68145 84148 98277 95284 16039 43070 42783 30465
71121 93980 72792 47540 40383 03361 53305 09479 03479 68576
41635 30257 42381 34912 16329 38236 51993 17392 30022 59162
48911 13322 15898 67233 20510 16493 02457 77674 81557 68980
16264 79247 30531 11481 77380 30146 22827 18121 17157 65703
03055 26675 73069 91355 63603 00131 40309 59294 21657 80541
84782 52250 31862 21101 47233 22844 76827 07374 93162 61937
02633 03632 88238 94428 91560 85218 03881 25926 89205 42889
82708 88738 28184 70061 18540 60620 15596 68909 30625 54703
76452 36251 36816 04063 70252 15151 55338 89350 22877 23184
89865 82924 41021 93301 77592 07929 01315 88228 04967 35746
31354 74333 20801 70270 24802 65910 01422 92433 57770 75806
47566 63415 98645 33337 17701 09998 28570 55421 27455 40471
14751 81880 69848 64549 03789 10830 36021 15732 27214 95108
41124 99535 36416 85683 85081 16049 09157 17227 00000

11166 70202 04583 18018 01259

31033 38887 56776 28296 66212 32119 41917 10541 68253 36917
41536 99951 37799 26704 48690 66571 23874 15605 54100 39468
24135 28511 40212 95791 23912 64993 44498 96016 66192 17994
96679 88828 69757 33242 59567 34058 37643 20338 28202 17131
23131 51422 66977 53458 4543 708391 89449 06203 72300 64577
10500 65859 11648 11845 25554 65098 79537 69027 96537 27292
36550 32660 49257 72169 09830 55922 11894 27046 42957 66750
49304 17049 40841 61045 72797 32787 01814 31912 30099 98899
54125 20873 05174 91921 39022 01999 82597 80902 07584 34873
56172 89216 23534 47356 86459 01002 89177 34063 36937 60666
36686 81501 43445 38896 51889 55815 96630 63608 22785 14051
42062 39279 29932 24909 27709 03092 20941 09898 53469 91334
36213 40838 02442 18123 00000

11076/9053/7386 kHz, 20-08, 0700/0715/0730 UTC

File 44419 (binary contents)

10394/8076/6768 kHz, 20-08, 1200/1215/1230 UTC

File 44419 (binary contents)

11076/9053/7386 kHz, 21-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 21-08, 1200/1210/1220 UTC

11166 70202 24685 20020 01999
00548 96207 90801 04077 91038 49125 82628 23908 16224 17990
05599 51821 20229 55819 61790 58150 29408 42797 69190 93150
71674 76672 82434 34479 32648 47239 33971 36723 22057 62091

31555 62667 48823 15822 73045 00991 28290 19886 64412 00073
70004 35276 51908 72600 19511 75231 04340 50668 52579 70147
06371 96044 45321 11878 48798 95312 68612 19629 26743 94554
80278 94610 81681 53174 13466 55653 48265 22252 84641 72964
91866 75003 69666 42221 47781 47547 21362 66180 98025 66156
27024 35993 46676 67787 29321 29420 79675 42870 58995 68121
20050 55154 52830 01224 14481 18286 55303 07339 12150 33815
27367 32225 21816 20319 10803 04292 58050 88316 21570 95107
12564 40685 70601 17130 11579 03239 35480 75819 45169 15177
31423 18340 79503 34087 55032 46030 87950 35179 99225 82828
61954 09448 62801 16846 87646 90449 03069 57266 99107 64380
04987 73769 44229 43140 65233 10665 24114 05072 14663 92908
91948 33069 27582 66217 22280 04728 91267 38439 86646 14245
34186 14387 96493 30729 36341 41316 99307 22641 70183 07236
38911 03022 45526 59233 15862 75217 56901 34016 08878 83773
56801 17835 43243 00197 03222 78004 17116 98267 54979 33177
21691 98585 13200 54589 16147 87050 32449 20197 00000

11166 70202 34975 20021 01099
66615 35957 32123 01094 15881 10580 68493 08116 21266 11055
49452 60026 87404 29666 57002 44752 18458 84851 46489 29812
80998 29373 56211 54131 81837 33197 90566 87533 84228 58269
62676 87594 10888 67370 07418 08548 07272 34242 00795 41926
63544 47168 46613 93632 18665 23206 16355 27122 95062 75240
53235 27384 37290 99067 76341 65415 53138 72675 45813 67867
80619 84931 74993 21553 29270 35836 00495 67513 69207 75563
46105 64313 66378 74445 41485 25268 87434 41105 81583 59283
22675 30924 37719 69991 00496 12027 56251 92882 91776 80973
05796 75105 27647 45345 58902 27635 79073 15415 19155 04491
71693 72083 29606 88691 34348 03275 23509 21107 00000

11076/9053/7386 kHz, 22-08, 0700/0710/0720 UTC

11166 70202 19746 22015 00049 00000 00000 00000 00000

11076/9053/7386 kHz, 25-08, 0700/0715/0730 UTC

File 44423 (binary contents)

10394/8076/6768 kHz, 25-08, 1200/1215/1230 UTC

File 44423 (binary contents)

11076/9053/7386 kHz, 26-08, 0700/0710/0720 UTC

10394/8076/6768 kHz, 26-08, 1200/1210/1220 UTC

11166 70202 25473 25024 02679
36360 74621 21103 04017 69294 65045 94858 45332 60318 51292
26156 24290 78320 11565 49826 09177 10309 83813 45155 19038
39681 00816 30008 88106 37082 88240 69911 04929 24808 30390
25506 43389 00672 33300 86820 27814 32288 39901 67791 99354
57699 76906 59483 75810 53292 38134 65435 22114 54931 33939
67570 73636 43257 61444 96110 79518 29079 75264 01939 58203
99808 63403 54829 82368 12858 58012 16004 35441 46951 35701
58435 06876 47288 87092 33349 18396 25488 60292 06346 98375
00255 07978 11599 46557 89706 92791 97547 56284 91305 30718
62535 86447 10309 77130 03833 00316 22711 85219 28464 13458
83583 91448 99297 17935 16768 07767 14829 74935 46847 25242
46081 93075 59351 58797 79084 34514 00113 87765 36354 16098
49724 71920 75809 97706 34028 47682 90570 75000 56586 34197
58075 18738 64049 03955 11950 27879 80382 97657 35064 88629
70873 88000 97225 56641 21859 22079 85932 04538 47119 97086
03634 01964 56863 49008 29932 20339 50253 58981 72159 79506
17401 07032 52776 78465 61772 27848 07023 77370 78942 48304
89257 22991 52633 11399 11428 34812 53976 16317 62110 93967
54931 29287 79549 02200 91810 44927 77136 03012 39830 02764
44778 82229 84634 88623 74565 90137 01741 75567 84211 52384
79817 84059 36673 61846 48755 66077 79398 68640 98462 42817
51650 10460 99318 50712 33326 50437 60220 75436 33721 14709
85168 78577 43669 46879 14331 46686 99504 21565 60505 17363

32274 84205 76939 62090 00640 09333 17429 30492 30910 94491
74644 85697 12646 31979 07614 85520 23254 25618 94304 89107
80042 44723 70241 93784 43136 32476 39094 31743 17719 10871
66179 81299 29030 49434 90805 24265 00000

11166 70202 25836 25025 01239
99182 09062 51314 51972 52863 23374 21457 40814 13779 41861
35289 76245 18684 87038 74119 83439 61572 44580 19803 14135
88425 55791 10869 95999 87754 89082 93654 57087 56637 88897
60657 86327 46925 25505 93277 15993 21317 94117 51144 37069
73984 36757 75207 83483 95432 85319 96791 46107 86288 49259
69788 02491 49699 96348 68191 73248 17041 99934 16135 41051
86599 51144 42658 93147 79946 59456 78344 73358 45659 90106
36061 54488 65108 11732 42955 67070 39970 52714 15913 45415
66174 89651 97660 76862 23961 16393 95701 65210 38737 67079
91267 44230 92424 91628 10481 02225 89982 07094 74909 03551
10791 73339 73704 18059 99588 66478 24505 94379 76647 48488
15309 37990 71872 56469 44471 80010 12515 59955 01055 47653
19189 25121 00000

11076/9053/7386 kHz, 27-08, 0700/0715/0730 UTC	File 44426 (binary contents)
10394/8076/6768 kHz, 27-08, 1200/1215/1230 UTC	File 44426 (binary contents)

11076/9053/7386 kHz, 28-08, 0700/0710/0720 UTC	No transmissions
10394/8076/6768 kHz, 28-08, 1200/1210/1220 UTC	No transmissions

11076/9053/7386 kHz, 29-08, 0700/0715/0730 UTC	File 44427 (binary contents) instead of a null message
10394/8076/6768 kHz, 29-08, 1200/1215/1230 UTC	No transmissions

Link 80214

17439/13387/11145 kHz, 07-08, 1330/1340/1350 UTC
11166 80214 35126 07024 00049 00000 00000 00000 00000

17439/13387/11145 kHz, 14-08, 1330/1340/1350 UTC
11166 80214 25698 14057 00049 00000 00000 00000 00000

17439/13387/11145 kHz, 21-08, 1330/1340/1350 UTC
11166 80214 45678 21025 00049 00000 00000 00000 00000

17439/13387/11145 kHz, 28-08, 1330/1340/1350 UTC
No transmissions

F06a

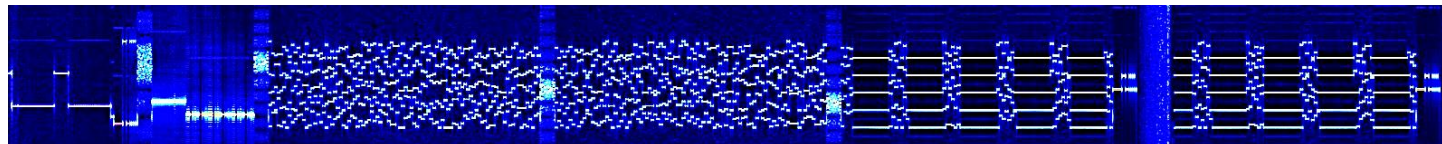
7956/10204/11167 kHz, 02-08, 0300/0315/0330 UTC	File 44927 (binary contents)
25043/22891/20690 kHz, 02-08, 1600/1615/1630 UTC	File 44927 (binary contents)
7956/10204/11167 kHz, 09-08, 0300/0315/0330 UTC	File 43428 (binary contents)
25043/22891/20690 kHz, 09-08, 1600/1615/1630 UTC	File 43428 (binary contents)
7956/10204/11167 kHz, 16-08, 0300/0315/0330 UTC	File 74429 (binary contents)
25043/22891/20690 kHz, 16-08, 1600/1615/1630 UTC	File 74429 (binary contents)
7956/10204/11167 kHz, 23-08, 0300/0315/0330 UTC	File 44230 (binary contents)
25043/22891/20690 kHz, 23-08, 1600/1615/1630 UTC	File 44230 (binary contents)
7956/10204/11167 kHz, 30-08, 0300/0315/0330 UTC	File 44423 (binary contents)
25043/22891/20690 kHz, 30-08, 1600/1615/1630 UTC	File 44423 (binary contents)
13469/16223/17419 kHz, 06-08/07-08, 0600/0615/0630 UTC	File 34454 (binary contents)
13469/16223/17419 kHz, 13-08/14-08, 0600/0615/0630 UTC	File 44255 (binary contents)
13469/16223/17419 kHz, 20-08/21-08, 0600/0615/0630 UTC	File 41456 (binary contents)
13469/16223/17419 kHz, 27-08/28-08, 0600/0615/0630 UTC	File 54457 (binary contents)

15763/14513/13531 kHz, 29-08, 1900/1915/1930 UTC	File 40445 (binary contents)
12131/11092/10208 kHz.30-08, 0600/0615/0630 UTC	File 40445 (binary contents)

F07

Test/training transmissions

14396/13432/12141 kHz, 23-08, 1800/1810/1820 UTC. 3 blocks



M42

UAL: MFA Moscow wkg UAG: Russian embassy Havana

[illegible]

04443 14242 25383 07086 46889 33803 90222 18309 97399 54726
18619 88855 41303 71787 00151 20115 27995 19250 17529 57643
20300 61404 18072 42311 18927 58610 62628 48648 22963 13501
75374 27585 12336 27056 42928 95782 63188 19228 36218 38721
32103 93804 53545 19756 70108 52192 08272 12312 52410 85821
09576 97411 34780 01847 09711 93722 72544 61839 16208 12314
63108 38148 92455 53301 97948 17634 95093 86582 35026 07447
21666 83836 27531 22546 66960 93979 69928 59641 11482 79270
47216 87255 90483 54243 98347 06576 17016 94660 29752 62805
57401 08678 39886 11685 82597 87390 40763 70875 43878 76984
87390 10897 46261 39629 51056 65302 18130 95352 97391 64778
00491 62043 55174 24858 04286 35792 86772 41935 09215 78756
96201 77268 02504 06721 35707 33660 81042 93562 96819 54493
65344 34798 96832 99829 98760 37387 96609 79240 30382 28014
10689 46057 05073 96994 95606 82747 09073 20025 27385 32083
44595 24951 04109 53801 31876 95737 34543 11434 62095

CFM KMY QSP QRZ QDG2 QSA ? K

CFM NIL SK

NIL SK

18726 kHz, 07-08, 1317 UTC, FSK 75/500

UAG: Russian embassy wkg UAL: MFA Moscow

i.p.

QSR QSP QRZ QDG2 QSA4 K

CFM NIL SK

16156 kHz, 14-08, 1300 UTC, FSK 75/500

UAL: MFA Moscow wkg UAG: Russian embassy Havana

UAL UAL UAL K

QSA4 QLQ100 QBN K

QSA4 QLQ100 QBN K

QRV K

QSA4 QLQ100 QBN K

QSW 20115 K (freq change)

20115 kHz, 14-08, 1306 UTC, FSK 75/500

UAL: MFA Moscow wkg UAG: Russian embassy Havana

VVV UAL UAL UAL K

QSA4 QLQ100 QBN K

QRV K

QSW 13905 K (freq change)

13905 kHz, 14-08, 1311 UTC, FSK 75/500

UAL: MFA Moscow wkg UAG: Russian embassy Havana

VVV UAL UAL UAL K

QLQ100 QBN K

QRV K

QRV K

Havana sends a message

QSL1 K

K

11100 70103 98345 14105 04009

40835 58507 04598 99409 98799 65103 81892 09713 80695 82633

90574 62066 06230 24362 45563 49112 03827 33452 42927 27438

12644 61820 97890 26356 20238 27210 73949 12257 78063 59426

57796 81957 11987 71665 59730 83502 70012 17884 44236 87831

74396 22139 20437 59775 70351 90834 47091 01791 88512 43823

31830 68907 63365 25285 29321 78281 74817 80333 68042 61834

05098 08285 60362 35382 78185 28514 75600 82711 73934 19860

80774 78038 34101 19492 78697 95277 02447 92192 98139 77564

Operator chat
NIL SK

RYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRY
11100 70103 12489 14105 04003
92968 56202 87387 30824 72693 66159 82406 74966 53004 61720
08217 85042 85073 75926 52729 69787 46974 50810 76613
49331 09280 05089 60884 30677 93991 08706 29943 84242 70268
67777 91000 04262 75167 72068 90223 83262 54809 44525 79136
37822 61870 72543 89708 77770 70382 25660 41580 36044 99373
89364 29845 01372 16856 69704 66843 20976 78472 48380 76393
65487 64418 93022 63902 73244 9043_ _2323 10795 16187 37755
90723 66691 54509 20334 42338 37786 72276 06478 88803 94843
11180 18981 90747 49270 44632 81809 27548 70683 59373 96901
25087 44430 36790 19507 76178 92470 51125 17989 83364 06098

11100 70103 12489 14105 04003

CFM QRQ75 QBN K
QRQ75 QBN K
BK QRV K
Moscow sends message
QSL1 K
QRQ QSP QRZ QDG2 QSA4 K
NIL K
KMY TKS GB

[illegible]

07853 36855 82890 24977 53735 08255 54813 84087 71315 28822
33788 23628 12156 47856 98713 75069 93564 26574 04092 27982
23707 82440 95422 75771 74087 70315 08694 81841 54078 73848
21125 02093 67187 05580 45380 24717 53753 39150 84414 13201
49753 22096 89163 63507 16411 42636 86245 11336 20290 48906
67870 50432 68572 44066 61149 47863 29187 05733 18977 67207
90501 03155 99692 35584 40244 10594 27695 15478 68352 40317
52193 67282 23442 43672 46307 13497 77565 53657 13672

16156 kHz, 28-08, 1300 UTC, FSK 75/500

UAL: MFA Moscow wkg UAG: Russian embassy Havana

11100 70103 53416 28113 04009
84145 74592 72330 22859 81192 08864 89964 47765 16261 71159
07576 23444 17432 14254 25940 13222 73587 18763 04166 67796
88970 34689 11180 01400 57764 23063 77695 70407 50880 58621
53359 77820 32132 79466 98767 52073 46007 94621 67018 73584
44191 85443 54521 47511 43060 61815 25714 46119 29315 59070
41404 69229 55943 86560 45412 96165 95709 63841 89193 27642
44344 05377 99146 41027 90628 39724 16274 07436 95566 74126
62906 44057 47825 40458 16154 00190 87622 83444 92790 00399
16273 77115 75247 93240 33559 80414 33408 78986 70120 67903
21893 14799 07054 96504 57519 20778 99905 94217 06625 35321
49245 81741 36940 93250 85013 62948 13702 25119 56819 45142
44689 01148 47390 75036 03878 68234 51346 01396 88386 53462
86501 00275 88424 32552 29867 23790 74900 86686 95546 58365
34407 96166 96726 03391 06247 44300 58916 06224 01205 30003
76664 14476 06739 12513 30905 31532 08288 36681 09146 86210
81382 12259 95670 52545 34237 45632 23951 80579 05528 47435
08449 24148 47021 64471 98008 76563 45767 09399 18010 50153
65517 86605 93483 60574 12081 37705 70371 01862 52284 55109
77112 23129 41239 37100 93759 42867 37590 82838 20790 61783
11448 50764 64820 60106 74679 28797 83401 90309 88249 89804
56079 01170 26303 30754 73915 54127 01670 18997 64652 17851
82485 94113 95712 51981 54615 98774 22209 15954 09554 37028
72176 63873 62523 83477 86181 11348 30407 91768 53527 85241
24127 00837 12224 92270 36041 62340 04909 67388 24273 37723
07927 87885 28324 38350 75723 64161 65980 57135 67776 43083
94014 65123 50218 84884 36425 71442 89365 99537 10041 70073
79321 53534 02176 46879 70854 83012 80022 45316 93728 74173
36471 14284 89682 96913 02042 86535 98237 02627 77617 61094
62528 22093 67667 88107 47335 24414 18641 79588 86519 22907
92231 94460 02032 38927 28184 71374 61697 59517 76349 07696
67950 49861 02655 08138 94723 06447 98694 51452 14659 61896
49622 48628 83845 77387 40022 91027 76258 83620 02469 11906
85101 56248 38440 09743 33218 36718 66287 06831 59787 34467
75937 41558 75462 71393 95028 17808 03165 54559 96152 59942
46703 88050 99901 46775 54420 59928 53400 22992 70033 65227
89018 11450 87881 50916 92942 74793 54753 93771 38299 99818
85473 47107 62515 03042 84463 17272 93610 80880 90431 55887
55096 52912 86400 78734 04177 71637 42259 47245 82936 97172
82015 73519 87215 60337 92945 34828 82826 62549 18822 08514
23845 85970 04419 63246 52622 12352 83469 67563 86230

Havana not monitored

M42b

6800 kHz, 07-08, 0652 M42b FSK 50/500 + FSK CW

RTK2 RTK2 RTK2 DE RBI RBI GD QSA4 ... QSA? ... OK.
RTK2 DE RBI QTC NR 4.
After confirmation of received msg: RTK2 DE RBI OK ZNN SK

9130 kHz, 07-08, 1215 UTC, FSK 50/500

RWI: Russian PTP link. Abrupt ending of link connection with UIA7

15940 kHz, 07-08, 0610 UTC, FSK 50/500

RPD2: Russian PTP link. Reversals only

16352 kHz, 07-08, 0601 UTC, FSK 50/500

Encrypted traffic

17475 kHz, 07-08, 0559 UTC, FSK 50/500

RTK2: Russian PTP link with RGY2

10500 kHz, 08-08, 0554 UTC, FSK 50/500

RAZ2: Russian PTP link 290751. Callup to 350751, opchat and test msg to
RWB5 on 12210 kHz: RWB5 RWB5 RWB5 DE RAZ2 RAZ2 OK QRK0 ZNN
GB 73 SK

12210 kHz, 08-08, 0554 UTC,FSK 50/500

RWB5: Russian PTP link 350751. Callup to 290751, test message to RAZ2 on 10500 kHz

13453 kHz, 12-08, 0708 UTC, FSK 50/500

[illegible]

14568 kHz, 13-08, 1516 UTC, FSK 50/500

```
BZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ  
RTHZLQPCAUJ RRZLQPTP  
NDISKOQQB OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO (repeated)
```

14355 kHz, 13-08, 1554 UTC, FSK 50/500, j.p.

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

228 100 13 1540 1441

33900 91593 27569 47273 24143 70133 73658 45853 34102 86749

34201 43230 40445 99147 71261 04835 50165 28640 1816_ 87704

29244 50726 58196 53662 3__66 71167 23900 19171 07944 ____4

__09_ 27664 17665 10967 76151 56695 83625 89822 42473 77873

96886 13713 97907 80449 15779 94873 48809 05460 93239 28412 =50=

56755 25641 88021 46984 76354 53929 3259_ 58446 44756 223_6

72673 49076 ____61 74598 18035 4_440 15007 51898 48341 54000

18864 79219 64269 32893 44856 33654 76495 59654 99829 31234

40534 00792 00655 98356 45712 80584 3742_ 3784_ 3_111 98073

44__0 37424 0__11 98161 95218 84249 47823 1860_ 70661 83625 =100=

-1545

CFM NIL K
OK QRX
QRX 38131 K
SK

18048 kHz, 14-08, 1231 UTC, FSK 50/500

KFUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ
RTHZLQPHKFUJ JTHZLQMO OVJ O OOOOQQOVJ O OOOOQQOVJ O
OO
(repeated)

The above sequence was generated by concatenating the following sequences:

RTHZLQPCAUJ

JTHZLQPHK

O

OVJ

OVJ

O

OO

OO

OO

OO

16025 kHz, 14-08, 1234 UTC, FSK 50/500

[illegible]

[illegible]

RDI: Russian PtP link 340741 sending link id "340741" before callup to RTK 121746

P03

P07

9214 kHz, 03-08/06-10/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1400 UTC
8187 kHz, 03-08/06-10/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1400 UTC
7534 kHz, 03-08/06-10/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1400 UTC
6782 kHz, 03-08/06-10/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1400 UTC
5899 kHz, 03-08/06-10/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1400 UTC
5184 kHz, 03-08/06-10/10-08/13-08/17-08/20-08/24-08/27-08/31-08, 1400 UTC

Test/training transmissions

P07 variant (classic 2-minute 1600/2100Hz callup, 4 OFDM channels, 1375/1500/1625/1750Hz subcarriers), 1 block

No transmission

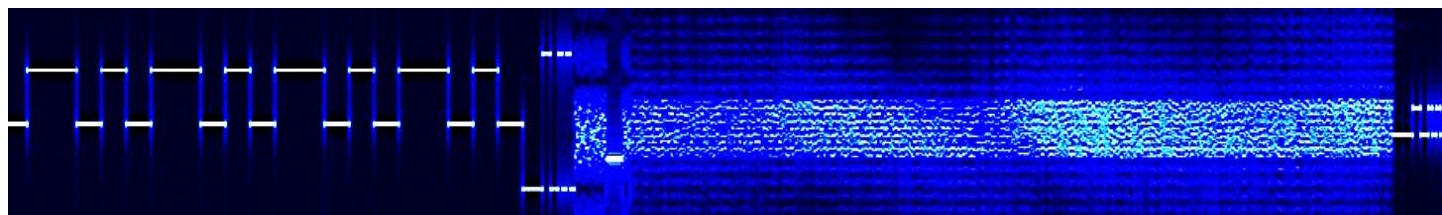
Test tones

P07 variant (classic 2-minute 1600/2100Hz callup, 4 OFDM channels, 1375/1500/1625/1750Hz subcarriers). 1 block (1600/1610z no TX)

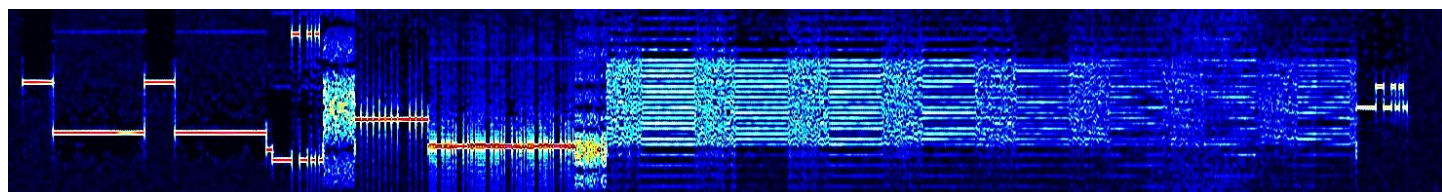
P07 variant (classic 2-minute 1600/2100Hz callup, 4 OFDM channels, 1375/1500/1625/1750Hz subcarriers), 1 block

P07 variant (classic 2-minute 1600/2100Hz callup, 4 OFDM channels, 1375/1500/1625/1750Hz subcarriers), 1 block

This variant used the DP01-style callup, but also featured 4 channels - something never seen before with this modem as far as I know – instead of 8 channels in production or 2 channels sometimes in tests.



14396/13432/12141 kHz. 23-08. 1600/1610/1620 UTC. 1 block "null"



13491/12191/10691 kHz, 01-08/06-08/08-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1

03037 00416 90962 26983 35615 39132 80756 91740 73874 31061
54459 01916 39342 91047 63817 66435 59289 96501 91703 39913
66014 39033 36903 88788 05477 85525 66895 04811 50940 30901
81120 31859 46455 44360 80450 59241 86696 64141 66318 19975
73553 80180 00302 34796 57744 33779 88351 08497 16865 16189
03871 49840 49316 98336 54444 95826 93689 31951 39261 12021
68662 71525 36188 06057 69881 17976 08385 46238 45909 87019
35372 06341 69053 73361 75305 41983 33289 57923 60771 55022
51202 39161 80789 65315 96236 97467 16913 15640 41174 22336
55415 04399 90027 46029 12455 75626 38228 17507 38108 21649
59981 32778 04224 58944 79636 47882 12472 55572 61544 00726
18718 36968 29533 54170 08066 30466 03724 63972 60796 45385
75316 79489 72307 58304 14207 53603 55314 79153 57366 49396
28793 17201 83358 58414 61864 01861 08398 91562 36549 40732
13467 90808 72276 38823 71436 86370 43223 17786 57197 91388
41593 91187 07599 16720 08928 22100 21452 89485 67160 50119
24701 55557 31651 28023 43279 23975 30824 82789 42337 82752
28896 77093 37252 70832 99441 16660 16295 64334 62737 09398
14372 42912 59145 14657 24688 71661 50640 97955 61348 23330
75569 24861 94443 44492 38952 75261 52873 16433 04752 23551
53486 78354 21165 38016 30602 99191 98295 64265 09714 33057
20694 06594 03107 52034 37424 64439 48167 03036 18526 80967
82587 24165 85652 94746 14127 25267 53504 69451 83981 78217
43596 54055 53607 16471 93842 83546 10519 28339 52250 18921
13924 42846 35119 02148 76819 87593 83645 52887 68842 27972
21996 58773 76412 30248 00272 01613 69727 36968 80591 47067
24218 50052 95599 03771 57964 27300 30196 26625 80131 33444
58598 79126 08909 84038 25592 21900 96559 85895 10973 03069
91671 48901 14096 24445 16761 49027 17450 63780 42438 83702
23747 39014 55809 11657 52143 41128 70854 71139 70700 48595
84577 50743 69714 27891 12515 31316 36986 87990 73197 74554
53606 92419 61279 81077 63007 78227 76795 93060 82473 91467
94549 76114 46992 70127 22261 92935 24741 93985 01738 40176
29717 88907 97021 24108 59649 57677 23210 78538 91668 59933
65557 65424 30725 23492 57964 02217 96794 58009 11268 31552
20835 98128 14353 78863 39479 05834 36081 89132 81465 96051
70832 27537 70848 98265 23622 54508 98041 51844 06251 54544
90225 09401 17332 19994 35278 63911 31249 20634 40387 86975
04573 51362 58804 20422 68747 57295 05902 07443 88729 92820
14415 45291 76329 51404 41453 33068 73543 74245 91499 25808
38452 15146 95927 93320 80119 29702 49781 01662 89709 57151
72099 51649 14693 96220 10782 45439 88342 70331 00715

13491/12191/10691 kHz, 13-08/15-08/20-08/22-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1

00300 00662 76484 62407 33112 89345 96971 52131 03767 99629
59297 31832 78514 92027 66235 77847 28125 74359 12956 40233
07235 97767 51331 28537 68043 79386 26448 80247 96209 30134
33381 95324 40710 76895 04978 83431 35247 66806 83138 74434
16531 26325 77830 43123 17333 17763 64339 14004 21381 57060
05978 52930 37985 33122 60003 30413 66370 10432 88650 88957
96666 40179 75219 01815 26873 86831 70900 56523 41042 88086
28846 69549 44680 52406 80897 77501 19495 86601 99707 38101
33004 84989 04507 68255 14011 58994 18928 33452 57112 24278
16863 88645 21290 93653 57290 70568 76902 76076 23822 83047
67319 05171 20122 86483 93750 28225 31649 96374 07816 94513
34054 59354 54273 90934 99071 57415 41037 44702 58964 90550
25468 18584 60298 10427 96447 93211 51172 51676 14526 84367

84116 11243 43055 34530 37590 20692 90458 17608 91497 94445
56594 25644 09658 81095 08614 59624 67230 78655 88243 31144
38247 32282 03013 39265 80440 37541 55036 34092 09434 92650
01846 29198 29788 63298 03807 58848 52199 96497 85835 12454
76690 73717 94364 24356 45011 30618 36312 03377 50243 76537
14263 27443 70361 78362 00853 26550 60230 91961 44517 97028
86164 94747 53685 82365 70588 20259 97022 25445 90014 33961
20652 36454 63308 32556 90071 42149 13460 69549 91400 47804
26540 66250 09891 92008 24398 77865 38410 87705 92089 43107
90587 68872 84496 49974 35215 99220 61107 61748 57233 20489
81437 60553 94700 56010 72989 13911 13524 49234 18520 09694
32519 03243 37096 81421 72995 80957 75641 78958 66775 58163
42019 01050 76585 51015 36132 51757 59577 09920 28783 39813
22124 31214 01626 45306 74255 31935 12987 69900 81043 14952
87363 34476 44137 78156 73297 68479 31043 73198 29920 73006
08916 19054 43781 66830 28985 93767 72382 54468 45071 83388
23909 24183 98013 74160 97638 57028 76716 92735 47643 86181
02842 39942 50496 18518 83648 04143 63445 09877 91264 76931
38557 93575 58270 59786 12011 07155 65514 31418 15763 84002
12794 39197 39136 29854 01019 21758 86406 18024 75977 54498
33896 65071 42899 64728 28484 53257 34174 46352 27169 85862
91208 70936 18365 34330 65936 02198 69120 86718 36148 06801
89227 11197 16792 16579 07384 74431 61054 92655 65751 99231
52856 67024 15413 09994 17159 39747 73125 11758 58820 41367
39081 09604 69092 31591 80334 48091 29111 32886 44613 71791
75696 88718 04049 83650 74584 13668 34683 36182 89095 11997
38607 22388 37826 72720 66822 53923 14033 16343 27151 29134
76678 22652 86310 61431 17952 89881 59437 72965 33190 73999
99205 08355 22148 90008 81749 50412 86557 00430 74588 61904
03881 25710 91627 05799 68896 66092 40635 36010 65768 92212
39124 83641 52278 58470 13750 15304 90254 15453 06037 75256
52803 91846 27986 49199 93467 39055 66811 76588 27060 31165
08743 43215 53715 84326 58749 45794 89583 98673 87027 69928
80507 01625 26485 25511 94636 64243 07101 26375 02799 20004
54318 45551 23375 30162 80860 50930 92208 78841 17976 15916
65917 02558 88691 87631 05167 24194 91391 51513 61012 62912
45544 15193 74208 96523 61504 64563 10286 14794 79700 10275
70782 68702 70949 97861 82848 03686 78429 72305 66300 01653
57493 53787 19748 39648 58255 04725 39407 08162 93246 18564
18261 14222 38738 59984 44002 30605 50880 73083 47846 97927
77317 40437 03086 97617 49099 61130 34964 49934 96606 19593
23996 59087 73504 41583 28690 71456 67686 72373 44106 52108
14318 06815 43062 82875 07486 98384 57003 28532 44395 03639
58274 73325 85517 51754 53532 61751 58678 87148 97441 96047
76271 13775 41760 80184 72833 94325 05035 56507 21168 74133
57781 09195 13048 71294 91935 69260 39857 70663 54100 16161
39668 61387 63143 49029 09781 07645 87689 73726 60562 62077
54061 60218 45424 89126 60519 87364 38563 55345 83839 09359
35372 71207 76609 04616 35758 56850 91311 19195 28286 96149
86668 65446 93726 15857 39136 73779 38778 68532 38738 27322
81265 78246 45064 86961 41722 43420 98854 49065 76902 92341
51273 50015 20984 81267 11925 10432 94453 83063 28846 70001
27425 12402 26326 16588 26709 88208 83901 07240 35090 51759
41659 40887 56726 28117 00321

13491/12191/10691 kHz, 27-08/29-08, 1210/1230/1250 UTC

416 416 416 1 416 416 416 1 416 416 416 1
02401 00788 83183 30354 97871 04894 82923 73605 53511 06690
90078 99614 08821 62260 25418 29843 50552 18314 99603 91253
37644 41199 86506 26216 99234 95935 94853 50692 60252 24681
65375 52824 67014 47384 19647 07235 47872 81502 72160 34342
89190 08332 04513 41611 06540 97142 34096 88794 88460 77305
93377 56810 82387 45732 38134 03543 35907 13724 55276 79356

51647 51380 09351 05663 97779 96821 37012 33576 24815 49584
17243 15655 48265 19843 45607 23732 92114 22184 55039 98285
38594 52991 24842 91305 06596 71396 67036 80786 34199 94436
75563 29955 46438 67061 83178 24237 38116 95107 69796 34812
79341 57428 65323 85862 73180 68537 41887 06303 63404 46646
79086 15118 35860 94725 35955 81587 68010 98649 52718 36101
48242 21946 89478 68445 40294 32365 17230 31597 70936 97853
36164 89260 96941 85891 20850 16761 41440 06880 11432 81512
56365 81739 80639 41672 47224 49218 34012 33908 99533 15747
58118 09559 05471 39119 87668 80532 18199 82672 90572 92933
00086 49420 20333 86215 27267 70283 34258 32489 52292 90154
59285 50588 63119 35620 24081 66748 47556 79811 00318 52862
77824 26889 04977 05800 91452 20092 82719 24998 80526 00388
54556 72153 65198 50759 26457 53950 88570 41440 02780 96836
89497 13771 83770 04587 57925 89279 15373 99218 94389 92773
95517 18027 47127 14383 73656 52747 70349 38658 87651 85098
60847 90259 41581 59235 15660 26455 38646 46341 02112 05412
40362 09442 46860 92907 88252 37053 46383 28704 49228 59269
33599 89195 09242 35005 94469 70540 53814 37303 32731 22438
50618 08652 31904 20559 54330 56926 25723 21915 43916 31779
69310 93253 99474 95119 72871 26847 25262 21126 52853 50511
75259 44206 80603 45713 88863 16937 09985 14499 43917 67197
79620 61895 59429 08316 20402 95804 36067 50974 96900 45800
32904 15199 43559 27412 67415 12123 23281 78150 27641 29868
43661 31061 30113 62956 27808 80549 84892 57730 18172 99356
22740 39048 57966 29684 88797 11132 80089 14069 31234 11228
67771 95511 69914 76212 95790 97722 20636 06181 71284 13070
41098 88372 08451 81182 91078 07975 09176 31797 28130 66123
48522 08200 65445 66796 49537 82882 60070 86027 70848 59402
99252 65562 23958 84575 81002 06823 85543 52616 07006 75199
69874 11195 09425 79155 40381 14033 29560 88161 67652 04501
98462 00363 05382 43327 16094 68042 13973 94250 05730 63698
16433 32054 98135 72137 40341 44777 87469 79024 04161 26526
56774 49870 23048 34718 45190 15868 39036 87863 41704 18324
50809 24239 57074 69654 45978 56196 88445 43371 13306 13884
96667 33750 92938 95917 63006 13923 07969 12323 72015 34004
64877 45431 64374 37840 86613 65842 84796 78608 70009 07822
72810 53679 46794 78481 04481 66730 24075 54230 16071 18217
65598 94115 16594 76556 32567 29391 75215 01276 70655 77277
28243 54305 69091 11591 36680 85055 95428 91107 56324 46462
02094 90898 30046 81086 42788 95963 66229 62526 72768 88411
52461 75775 45703 91175 27839 90610 37739 93732 91280 44366
58713 14410 69997 93347 87775 69125 11698 28713 44926 76062
81246 17616 61732 83078 36925 96776 58303 12075 53403 05517
88239 00390 06839 36179 60037 83503 04261 14918 04937 92714
20851 24224 66338 45819 05977 55149 66952 18251 95556 07686
84914 49762 13854 94853 04975 64182 61288 71118 52721 74630
23242 17037 32410 13703 60220 83985 43061 38262 10412 08212
13095 09281 97462 78428 17472 58216 74819 66982 50003 77221
37376 10002 40126 47059 35016 33395 56394 60091 35044 86419
11866 16872 69423 12767 80893 72509 56529 26629 43931 21187
69777 63328 41240 35861 17301 41477 81596 32465 48164 38305
43349 58267 32507 76565 61884 83519 38119 16570 24403 86624
65484 00416 39702 23123 76766 77918 39936 78300 36185 42569
56170 18605 16471 46469 18549 48754 98593 07889 89120 76896
22883 50756 10415 86429 73577 91780 44669 06368 67640 28656
76351 52982 79096 20178 79503 38006 65015 26596 88137 56578
95046 44177 07719 92015 35143 32806 33449 45096 33252 85594
95260 33551 09937 59700 04437 42532 73881 10055 90047 61365
36269 57862 49280 90578 65396 20520 62039 35438 58117 25249
27544 84782 73102 20640 20649 44569 38876 25136 55314 54317
90544 88267 47791 75515 80745 02791 42590 66557 37358 16760
85450 28293 33700 38919 92375 70711 87829 42279 04782 34644

36862 75844 39640 11900 41883 11165 67070 43572 78546 61255
28681 85759 06966 81167 18357 32183 70729 24263 08989 13994
58276 75809 56619 43863 69877 40545 56648 81542 96358 56571
06354 58143 88940 31287 25777 49497 20654 94353 84834 22599
21035 68761 88707 72164 19716 00771 75040 22376 47114 32964
87582 43083 38104 29551 43069 67427 38998 10217 35301 54663
88105 97743 11599 04920 75426 00700 55853 56829 34392 90314
19129 87358 81326 27165 02394 25757 81761 92384 37309 68108
60338 71074 73577 05497 27804 88750 92885 36128 49026 30944
09491 29115 37712 86853 60953 60625 51897 48155 90819 46623
04755

XPA2

13887/12187/10387 kHz, 1100/1120/1140 UTC

13887/12187/10387 kHz, 01-08, 1100/1120/1140 UTC

01028 00389 91151 27005 35572 87902 45406 55796 85233 02357
48498 37377 80384 15732 49510 77785 53793 75493 17182 14386
20635 96271 92819 72414 16267 99272 23165 45707 69185 39181
59129 98113 10831 69461 15272 33607 37841 31561 07515 18477
49826 30795 29065 17822 14224 45920 02779 96914 85861 15464
74551 52880 44152 16960 01829 69377 04886 47737 85965 02455
20572 00131 75044 06645 71270 25054 01985 60720 54850 62160
81735 85000 92172 76638 16409 26139 43246 93372 69971 11764
96870 76721 05856 80087 55159 37289 00617 10450 04417 90929
71545 67114 22290 85616 90599 77276 67652 12341 15590 17428
74557 58919 86323 63760 41675 85923 36115 91533 42831 79565
72966 44712 52763 81019 91969 78374 58703 69795 88586 56978
17181 15645 59790 78321 99986 35512 76641 01170 87164 73676
75409 80160 01274 03723 52672 19268 55799 77280 12458 91456
38645 73709 17608 67645 08211 44232 41138 14466 19650 45362
15676 72298 66826 20077 87956 56279 78783 61673 33158 65243
81054 23777 48840 78026 15151 60726 42396 81332 87811 49362
14641 84541 14172 02975 95917 27320 12873 82154 91856 41650
59862 80200 44109 05294 36580 81278 85385 37645 87668 08909
18885 24503 51638 97980 78611 78865 72028 40131 90402 76529
56045 95464 56512 59251 86352 03130 77199 79952 78174 66692
07506 77605 90429 17006 17808 70841 82816 40578 56921 93143
78659 52385 26346 41410 49621 15972 98910 40971 55315 72636
13809 87629 74988 13954 61609 40140 33747 41452 16928 40455
24198 57257 68020 17645 73736 00230 12135 28054 11900 94962
88223 15451 57353 82668 14191 61722 64789 00693 40701 70923
43095 12423 57677 29309 18658 80242 52806 80180 64107 43811
50319 13576 26916 65107 91158 88916 80033 30387 97376 00918
48686 44577 58127 35868 58402 97988 86808 88571 78116 87403
55496 76924 83811 29787 36789 03846 57714 65143 42598 28258
37033 86939 74007 22854 81425 87915 26185 72902 50462 34064
41301 90799 97718 13460 91959 85303 46440 31863 05256 28114
67153 74091 01450 32344 38908 47737 34901 28082 69772 70967
74480 08956 17065 53742 13550 82093 53268 05403 29514 40905
51293 70865 33710 19177 25601 32551 94551 25167 05001 01668
44059 64680 36574 38325 28161 64429 55743 39616 31665 04870
89754 49495 61207 01653 65352 70577 20642 61588 18293 82601
04222 48880 31353 66793 29371 84657 39088 61236 53523 62439
48409 65500 64801 42278 62833 00895 86419 83223 53519 86244
33609 43424

13887/12187/10387 kHz, 05-08, 1100/1120/1140 UTC

08905 00001 00000 10140

13887/12187/10387 kHz, 08-08, 1100/1120/1140 UTC

03556 00001 00000 10140

13887/12187/10387 kHz, 12-08/15-08, 1100/1120/1140 UTC

03121 00706 01165 17491 07798 26617 14251 05992 40177 14392
72256 22641 85819 85998 17924 75531 76058 85032 91537 44096
71656 40931 28612 20762 41334 92241 58245 36226 60770 10409
13394 50129 52914 56403 76290 86699 90795 59096 25918 02457
90198 78211 37772 33835 49480 19065 49820 18035 36755 43230
23276 86805 84401 90222 36039 80140 52976 41195 64641 37691
24743 21641 85101 48320 95135 66827 54640 70022 49438 07090
61896 46426 70840 37284 42103 81956 04443 94797 69030 21075
07277 77225 74209 57406 27951 74983 23020 21521 89222 31976
53677 65772 09184 49358 11452 70468 20721 73386 59466 37945
30344 17237 68043 95207 11290 66519 94626 43731 10013 44521
90577 56617 38733 25895 36621 02405 10835 57215 11159 41308
44203 36127 84694 01154 70180 47098 91585 42737 78305 00893
75919 57620 58126 35165 65636 07379 22381 52633 48891 31807
22103 49401 82998 64492 57847 70597 55257 95352 62368 09960
11070 76962 09382 18154 12713 75577 40668 07457 22830 23316
78352 07625 34347 68437 37177 75777 55684 66622 94811 09391
19278 50559 66989 41884 34870 47468 06906 20263 19109 38090
15180 31640 43764 41743 19374 02189 34865 69197 58036 78323
69961 60444 37918 56706 30443 68692 90820 29824 13305 44784
21515 39532 10068 53399 84720 76859 16485 25036 15010 49476
62243 01720 79092 45002 86825 32296 76177 29415 96034 30516
29012 35821 35731 70245 57954 34587 94069 01829 02877 66541
34138 42846 57714 20910 39070 92326 73694 80656 72167 32976
98867 06120 10795 13965 66595 33574 97676 23872 71864 33916
13718 22977 12059 43125 32085 53494 53553 45773 05260 87883
88578 70298 61429 96657 37442 60996 48912 20186 46075 19932
90145 24596 89838 52864 82600 84009 51592 26766 76917 68946
90267 70236 63652 95964 94108 69110 58677 38798 80919 43091
68731 65621 82821 45012 59123 44680 74228 05845 90986 50829
06803 87488 07083 43137 35325 40374 41026 24519 06399 56410
71773 24092 20757 01778 52681 09989 04286 16878 92160 33047
56053 38136 52221 28970 69081 73340 11773 90736 74108 16203
80098 93352 14567 56796 65995 76895 62576 82601 60068 43641
63272 94661 49734 62734 44149 86699 57315 92369 87134 30188
74384 98483 97282 47065 77485 72454 53544 59876 63712 87776
37367 34545 19321 19405 06382 48263 99715 40427 68298 35996
77829 39272 61950 35268 62016 86828 19837 98438 82623 75408
13344 03858 73034 00816 00485 37353 91305 64397 51276 66948
53387 52392 75276 45098 28054 30008 58280 16931 62780 25188
76006 43770 90555 28967 98338 81833 16111 41568 21687 91693
44720 19528 50683 88991 78496 94761 46697 96345 38416 95090
74452 36020 26221 70252 51598 42204 04849 13866 28911 25545
17608 37306 80476 20158 42241 64074 97911 90137 62071 49299
03274 89517 54570 17649 70333 51693 68044 28551 66134 74323
08741 61293 90448 01966 46854 89102 79695 71357 31797 93261
75050 45208 94166 31537 27436 34904 58000 78114 48072 28932
96576 25141 70415 59930 40398 27163 98899 92950 92374 45061
69502 24694 05793 01147 34071 77516 51171 88970 07511 93749
52518 58191 86186 53236 64095 77069 76354 54172 04562 81624
01220 97064 31604 01441 73062 05077 08906 73867 49326 75349
81107 55213 76317 01649 07780 92386 48254 28575 99952 40258
80901 48687 56656 36828 79116 74029 33415 17431 45155 07975
53498 64620 06824 97434 35424 87082 13666 08644 80582 90141
82896 01199 98718 40383 57598 58838 75372 52369 39475 93196
04898 23100 73115 85377 07503 17182 10924 77425 26293 42065
95003 39283 72720 36569 32728 07805 00001 59185 44563 78243
38159 54643 55022 36105 00063 46789 86609 03774 00727 61988
37081 46055 52410 49041 28639 08673 26013 41889 03530 67519

38636 49452 99045 49142 63374 44121 99156 84779 67555 98280
65282 01575 03518 09219 17694 37751 90162 20272 53279 64009
89613 42122 69095 00738 86475 03342 05948 65077 67122 21843
81686 07350 52161 17316 43170 76159 44224 63763 69421 35381
93040 14981 94812 47386 80485 53820 42227 26742 63474 65833
64185 69898 29572 34482 20660 59205 02405 89312 56937 20123
20554 60438 00771 35653 99793 77082 49238 19885 19297 59148
44697 98308 78101 31617 92016 78042 05935 36884 08405 85892
56736 83943 71559 52457 88825 34781 70247 31556 31880 54508
21123 04289 99350 18076 39690 58928 36532 30773 89912 06533
03593 79915 76805 52904 54427 56992 80981 38374 90395 27558
43234 47495 76967 77608 20062 88653 12674 13093 63514

13887/12187/10387 kHz, 19-08/22-08, 1100/1120/1140 UTC

08389 00360 11445 26153 74065 62966 02974 13200 15134 95966
81496 85328 56732 87465 01288 42013 67314 22061 54278 78948
44322 37504 35914 73782 37451 97300 39961 34161 26135 53685
14455 00772 47274 19329 83956 84128 09103 55259 53148 74459
97229 93923 26831 67880 57794 62247 98692 98147 43688 80606
74974 37409 90323 95970 45980 30784 02114 16152 38363 04283
04236 58572 91545 62684 23833 98685 03937 29309 59799 04702
79832 00897 69973 60959 85921 56655 35845 66229 47212 70953
61271 35648 67815 11826 50984 59077 29828 11269 36854 79070
43024 87354 86374 10219 09178 66980 51130 48707 33870 46154
86967 38104 18802 44660 19149 70835 04625 98713 49105 17346
42778 09250 45687 49488 29917 92502 48150 92809 99057 97325
14574 09226 11394 18365 99242 71554 29882 09552 38935 67357
07470 04946 40837 51824 27303 05882 71511 75543 17920 68498
82451 78540 47970 95873 47827 25055 08919 85604 36096 37396
49377 19904 86891 99828 88258 05221 37796 97036 41580 34166
26673 73808 44540 69227 42714 27822 99653 23251 56893 13427
69535 68428 07288 50268 78831 07616 99289 89350 03568 23237
50302 82831 59096 10987 37593 83820 08071 44066 79203 54839
01686 58446 12166 16077 33040 00006 39629 75689 93357 79640
48770 54866 69773 83020 41962 59090 57361 73507 93208 54181
92690 84608 42717 15394 70120 98083 12396 05325 31285 30419
06925 04269 05653 31186 04910 23991 88295 96858 62786 71189
41060 47705 16365 57610 54857 93827 29637 47059 76286 06483
86118 18750 24509 44766 19570 34905 14456 32721 31914 93770
02905 99078 06139 78678 87029 09951 90836 67276 49219 94894
15890 11287 70891 48311 80628 08326 52878 96072 27917 86950
44507 71723 63800 37327 57862 04971 48797 71564 99689 81394
98418 30092 42036 65260 07229 55006 22212 72143 84921 12224
49228 50880 33651 25348 18928 93165 04802 33215 52034 44144
06134 81496 17851 91488 88631 96214 63845 82835 87598 68425
16702 85182 75026 01772 35484 12299 03187 20187 31394 78957
34458 13779 11063 30030 94530 33073 94637 43155 79353 01136
43357 07812 34947 44108 38186 92766 76279 91848 09992 49063
32100 17593 73247 23652 87286 83488 02009 88729 38848 47309
49796 67156 35571 13487 15790 87765 79194 67815 09760 83208
69689 42590 43050

13887/12187/10387 kHz, 26-08, 1100/1120/1140 UTC

09705 00001 00000 10140

13887/12187/10387 kHz, 29-08, 1100/1120/1140 UTC

03217 00001 00000 10140

15884/14684/13484 kHz, 01-08, 1800/1820/1840 UTC

00815 00098 28568 68984 11171 67086 50563 81563 49181 94784
20482 27627 18613 50176 68380 22984 04770 83573 51093 38820
41076 63357 76626 26841 42607 08771 57188 00296 04166 36041
04761 78813 48063 17498 50421 83278 16792 22771 66500 64097
61873 90174 18220 29411 00662 40651 13065 40522 42867 35093
42328 30859 01380 72849 09703 22791 24883 81690 99589 06817
80115 25829 02393 69676 57234 43064 28389 19329 99980 85256
48730 64588 59016 05385 11494 64631 46339 30016 87750 46263
11009 93548 22601 95852 60395 20692 85553 73248 38093 65952
57922 51072 06535 06158 99591 12256 85755 42977 90862 24046
27624

15884/14684/13484 kHz, 06-08, 1800/1820/1840 UTC

06031 00001 00000 31661

15884/14684/13484 kHz, 08-08, 1800/1820/1840 UTC

03158 00001 0000 35660

15884/14684/13484 kHz, 13-08, 1800/1820/1840 UTC

01414 00001 00000 34252

15884/14684/13484 kHz, 15-08, 1800/1820/1840 UTC

02891 00001 00000 35663

15884/14684/13484 kHz, 20-08/22-08, 1800/1820/1840 UTC

00220 00145 90490 98511 04692 87936 14507 22891 84153 62984
02922 86084 33741 37541 87664 60955 17336 46871 03582 32903
60890 62696 73822 52008 58158 52479 37289 33038 66815 47766
94487 65235 99563 27297 30994 32047 50542 12603 86777 73828
49001 98917 19305 87892 35609 74428 48871 97537 18098 26686
75172 69918 57750 13486 04670 39776 88793 09850 64971 46588
33180 53911 19623 41290 11046 42945 55071 35028 71106 69626
99917 28783 62227 32294 53891 92803 61666 03172 55729 87776
70582 28296 47925 14299 27669 69908 78154 82616 40400 11643
71388 65049 78329 15372 20678 91770 18227 99897 43123 58519
03003 72534 86687 83815 75957 18755 66636 48462 02996 41985
89459 28221 23120 53912 41301 98932 31073 30869 91894 51154
40856 79585 09018 21346 66373 72272 43538 65115 29368 68779
44563 10065 45905 23050 25712 19328 33308 33293 20742 41760
01451 56486 59525 60449 97189 63487 32556 53737

15884/14684/13484 kHz, 27-08/29-08, 1800/1820/1840 UTC

02080 00248 62883 00548 20886 55003 85780 07287 23716 75758
70448 77830 66104 27726 88863 66877 28358 46558 44470 28450
48672 64882 78872 77353 67020 20243 75426 62482 76148 50276
58070 00085 08830 82362 50082 00802 70008 30004 03383 56508
37246 30047 52208 51534 06010 22148 10417 76644 20200 56632
34391 26052 58720 66865 52852 41750 95788 59930 28013 86262
85500 80752 08448 28000 07870 35442 84486 28424 06580 74432
40838 67480 10344 37885 61465 32843 53067 08787 25326 57680
20848 47546 08533 06188 86861 71656 65886 65465 46326 07853
58720 85265 85053 42023 85043 37728 62484 38623 23507 03007
04279 54073 58660 76331 17445 18703 83744 82845 06328 85632
78005 78263 83670 70854 22614 63782 00000 34127 53866 22767
20059 93488 51287 85226 45557 87557 53282 36280 20820 02087
53380 81350 72555 06288 81488 98828 49677 30300 31919 84758
25057 08587 70704 47186 52265 36830 53330 53383 33633 36100
88330 60565 66865 23028 38828 83338 06085 63508 60380 88888
27278 38805 53663 08476 32553 85658 30278 70264 58778 03330
71875 74224 28207 99263 67936 45580 88448 79329 85687 94042

63684 84668 80538 32553 98209 00799 52454 04258 50780 76750
60297 69104 70480 28367 55056 99684 64933 13758 78907 33280
29185 01564 32624 60039 71228 77868 87373 55558 42546 97350
24068 71373 32515 08831 56720 78735 38598 87562 59673 28058
59892 72845 78711 71348 41644 33357 84128 74360 82870 02884
75296 68594 67138 17188 12025 74086 96580 60346 14289 29561
50034 67406 43661 11598 53332 63211 63204 28396 95726 37196
11664

18376/17431/16184 kHz, 0900/0920/0940 UTC

18376/17431/16184 kHz, 02-08, 0900/0920/0940 UTC

00786 00201 49269 20902 97462 87580 26226 82609 98569 27089
65608 48599 89127 13517 84478 49317 20704 14885 36660 39090
80870 56281 72288 11918 88077 66332 59871 01751 79439 79401
62967 45671 81245 40992 47568 11196 23680 01287 50243 53874
96790 33323 92278 79148 34203 72199 40337 97804 71082 07329
35259 18861 57588 70568 92397 97921 12995 37312 14739 53993
09884 81347 54831 34523 79832 10218 09363 39364 71445 30740
72132 04410 65885 30785 73127 64880 37423 29884 73359 02063
50572 15357 63751 49674 04796 37966 48144 59380 36187 36171
00713 35061 32600 41197 98683 41424 52527 80952 86791 62794
67854 95047 81098 94099 97470 95377 43073 89131 26596 34433
93506 72832 41005 56078 04619 51269 21840 69263 06073 27529
12643 60870 73622 01185 21279 97365 33313 41470 03283 51374
56489 33086 66204 53926 90790 03682 82371 24386 37844 22784
01603 93312 80239 35031 68460 38662 32992 33704 43968 04810
62037 30342 10690 10435 69324 32637 98473 45145 92149 71375
50633 83308 00629 64425 65530 16339 68931 64075 47918 96669
69451 50461 90425 07589 36038 85162 32339 42429 66663 19094
10949 12447 01369 25890 14090 19835 73153 27445 65645 78275
69669 25240 97638 71897 63515 05934 51552 06279 49311 10517
45901 80676 04150 50407

18376/17431/16184 kHz, 07-08, 0900/0920/0940 UTC

09627 00001 00000 37663

18376/17431/16184 kHz, 09-08, 0900/0920/0940 UTC

04480 00001 00000 33264

18376/17431/16184 kHz, 14-08, 0900/0920/0940 UTC

02867 00001 00000 40660

18376/17431/16184 kHz, 16-08, 0900/0920/0940 UTC

02010 00001 00000 31253

18376/17431/16184 kHz, 21-08/23-08, 0900/0920/0940 UTC

06660 00588 77212 92798 37798 94835 60887 60031 10891 05089
09478 19206 36816 17116 25699 05074 57303 86909 46781 36229
48371 49464 71101 02738 00964 88612 63576 78171 64377 62723
64476 71996 67386 55893 64171 87308 59892 79574 38599 82371
71581 42464 48310 84095 43578 18145 11562 89769 23802 60948
49545 44898 10230 60457 14876 24808 04346 36329 88816 80258
00104 82470 79513 85572 82800 95099 82017 65477 88079 55234
44426 19570 51040 20089 82902 70392 50454 45481 75823 07481
03133 45266 50734 99919 13787 59707 61478 88447 24328 74409
53812 76050 31398 23182 06687 58455 20512 94052 85695 49276
17697 95613 93301 28591 52306 54988 22526 59381 59668 31366
39610 42787 64337 07217 21545 49381 13325 17617 55725 12631
93414 64693 32428 28765 75316 26689 98607 48459 07534 14762
61484 65797 47371 46140 28780 02150 20724 36014 51797 89183
89982 26487 47163 86065 98349 61311 16302 50973 40955 59272
94037 91814 01905 01203 33891 22809 33092 93465 33245 06829

67919 21294 51806 76240 08789 66610 77915 37933 35292 07978
56336 14077 71775 90512 20643 18381 74302 36983 36152 89773
37380 78957 90587 96368 97177 87401 51010 26287 96973 65253
32504 56862 72036 50980 48653 09725 22074 48486 70764 04284
55971 35172 82845 69177 25743 14657 53981 39308 69384 01675
90480 65823 96612 95212 80718 50544 76075 44113 34388 81106
28445 79418 86487 35885 57285 53577 55387 97941 28551 06616
52970 37967 47947 00279 02537 01604 38890 10449 39717 23092
27626 98136 45107 40285 40961 81561 92707 38393 78959 26894
77383 04488 16833 23512 38965 23839 91389 63741 39276 12473
22160 16804 48184 03135 90755 45697 38252 42789 93113 98456
26323 95763 30452 72742 76534 20279 63664 52098 85671 72601
54254 86850 21309 22136 21213 11018 89269 83082 55457 84099
67973 60609 24547 67595 55677 20851 26495 43085 03774 35231
40000 97275 92412 36958 94507 95193 87552 77158 57826 62308
97242 43333 38694 97321 75282 96754 89185 66087 19584 14576
84464 39142 84520 28391 97678 55529 55939 83594 18913 91557
95723 04160 75045 88940 22863 02351 25856 00978 83693 83216
63923 66824 22555 73860 22894 16883 22227 34548 32374 26590
90539 21022 39983 71209 98686 27458 36541 65343 03798 48909
02205 59819 84840 16300 70119 07341 50184 74164 67652 57980
45615 38241 27276 95642 11028 61877 54197 28427 17562 43236
20402 65941 64296 86134 08042 37149 93930 91313 55369 82620
97564 76070 48829 63620 75649 12283 16215 81095 77518 83973
73288 68948 47079 84388 20528 20844 41591 29392 18576 19047
00991 42110 29771 93939 57878 80670 99065 22763 08205 12864
09691 17022 59745 91289 40332 93521 83364 79600 94004 03510
69690 05960 23158 24623 74991 66350 03476 28889 08710 84197
72982 22075 48827 25752 30214 26153 26696 19462 25568 14013
31734 04243 29550 08099 82513 29117 31233 22966 11131 19297
94295 51077 91910 59202 48493 22767 70541 23472 17311 67906
66454 83000 97668 93867 65017 56641 85434 03782 43019 02959
41125 85356 53957 03206 77984 98779 69783 68313 70147 93609
17972 82663 30262 45625 08457 08623 99078 72580 02515 45407
73213 62244 21570 63993 00860 27549 84473 87151 58505 00881
31954 91588 50290 57632 95590 19430 51974 19785 87295 05286
73615 08710 67255 33506 42564 34831 70896 52076 15694 17027
83549 50191 21877 31859 80678 74958 52837 44281 23693 39645
69668 96963 63596 20282 43303 18938 03007 48059 55646 92814
74865 31237 97183 46139 32657 93393 71612 84285 96664 84986
09502 94606 38469 32585 82578 49463 85377 55264 79848 11884
60940 41536 13861 86763 72069 48518 61837 11180 19838 42115
34075 41767 11383 91869 27009 92785 01087 75271 97013 07981
26276

18376/17431/16184 kHz, 28-08/30-08, 0900/0920/0940 UTC

00851 00479 40895 43288 41526 73219 05423 06823 80319 42745
64733 11668 95727 65267 04319 26361 42533 55566 04866 93916
59434 00731 08964 64124 30328 24738 62279 75407 98382 58626
86081 50407 57869 37020 96980 03226 24931 42191 50934 90530
91864 03086 64191 17417 13169 11628 39305 43379 34665 58752
33530 14587 68845 40263 79078 47901 54737 91360 57870 28572
02833 18955 84436 58223 13116 60123 55043 77780 30280 30003
04374 42803 96311 64954 36602 60341 07488 43726 95066 74142
93144 54669 28909 67572 61974 59811 06494 78195 16338 57230
88189 91482 71482 25316 76032 49846 51216 75709 47021 60946
97601 38723 57026 93268 37469 26818 83522 51401 40493 75689
67997 66963 10687 59294 80347 50652 88912 44278 44254 82706
13984 46325 62716 93680 26324 24792 03085 94551 14213 48038
47509 92666 56056 01926 27950 72870 75495 33968 19051 97390
29698 71313 14009 31414 42890 89248 04093 79529 50056 79526
87174 61944 27953 36669 99711 62822 57836 76758 24644 19649
56077 27419 48006 99696 61171 60323 58551 05378 90236 39643

03835 55154 59592 99946 12429 05215 67109 04910 65028 52990
02534 42660 12786 56616 93105 15831 41633 58557 02604 57583
84860 63582 20126 73368 56332 61666 59164 94138 60622 38331
58917 56963 00163 95687 91037 32202 73626 77151 77580 98143
90604 78499 55749 32288 07915 32402 40607 44997 85429 99026
29489 41863 65713 05231 18587 61135 45853 32117 70018 87094
30690 97799 96219 19842 05859 73112 82071 82788 22746 72576
17213 36626 25471 80877 81528 57530 13575 73734 85506 39591
88565 50036 45421 86476 46340 74091 19079 21393 38928 68997
91234 86539 14736 69317 40631 63747 16700 78022 20530 88670
91187 01557 89848 71514 50973 44784 88393 67212 29436 47618
90292 03962 17844 81269 63096 54828 31598 83409 83337 94611
37744 88792 11200 65536 19488 72100 86437 99726 57627 87006
01680 31443 16419 58613 37573 99041 04588 04080 15271 12142
23111 87765 71193 95315 50857 09770 35426 72317 72394 39118
91591 31906 83908 48886 09598 15408 40400 19087 76309 00484
69650 98241 39160 11955 91295 51210 87771 53774 44488 57112
70508 04892 08292 62320 01212 48778 81322 65434 34817 63068
01355 46019 37839 76606 74905 85146 73540 14536 66148 68097
04068 36229 52179 89442 35825 47009 88855 00402 35205 84625
30228 48042 52732 99969 44251 67810 60028 42102 54048 83357
07219 49386 37315 06565 13974 01584 90254 06208 05694 66428
31549 91758 55858 50843 05669 83533 14567 15209 80354 64005
17491 83101 43671 75629 94915 05662 00173 30747 28400 52204
73086 07006 72013 85597 16691 60554 57153 83103 09647 45069
93877 75803 01055 03221 90503 85902 77977 80584 88534 66338
40590 36089 95160 20502 80777 86571 73956 84379 85033 71698
68548 70042 77211 69739 07503 28869 39147 14235 31774 35952
85651 32706 92675 47479 66397 53325 43492 56994 92250 86161
40745 02916 56723 83826 11305 77447 57538 55384 35389 62968
16755 05738 22877 55765 16499 71674 16638 06626 96959 29385
61888 63741

13825/12125/11025 kHz, 1500/1520/1540 UTC

13825/12125/11025 kHz, 02-08, 1500/1520/1540 UTC

04634 00177 78598 25866 26792 41098 14084 24879 51814 28085
14345 08798 17636 87716 57241 94848 44091 05554 35112 54872
96418 87646 57824 38215 97923 33763 15442 57343 76782 63033
44902 66809 01888 97061 19216 87711 39608 23116 86526 60276
00594 26497 28609 37671 21121 49765 40747 90386 21071 05333
22550 87182 16928 36865 90445 03363 06020 21752 28410 38693
89482 83894 12049 49033 13429 03462 20114 10455 48011 19275
60553 77544 58155 38644 03781 94824 62162 69179 10051 41620
78459 88997 75941 80103 83082 71195 94082 81318 15163 45881
08802 85009 55941 84880 73237 39259 33082 17443 96315 70121
52641 89917 49956 44144 35248 63796 62999 32817 95778 10660
38462 29303 43959 73424 39671 55858 00441 30484 28746 91333
45635 93940 31540 47543 03238 13478 46797 61641 21869 05625
07055 57382 14926 95269 78973 77513 02966 54413 20657 38224
61074 23765 69753 38798 25291 90911 83587 84402 47805 31693
63716 13786 55952 16698 33746 59767 27851 51418 59176 68071
05810 25207 75690 54692 58740 12818 19134 18508 75295 08875
86484 89884 18028 97772 67223 94842 57442 27067 19191 12522

13825/12125/11025 kHz, 04-08, 1500/1520/1540 UTC

03250 00001 00000 32260

13825/12125/11025 kHz, 09-08, 1500/1520/1540 UTC

01898 00001 00000 41262

13825/12125/11025 kHz, 11-08/16-08, 1500/1520/1540 UTC

00155 00105 88386 65614 00792 64331 60040 33177 27529 30647
08815 00478 16527 95633 40413 13800 00477 57293 97001 83266
50551 61725 80715 33308 55563 02222 88028 99617 44444 53886
09062 97468 60005 26793 10973 74994 28092 69194 75709 61103
66252 29617 00966 81923 18352 18830 37815 35155 75014 45139
24784 14474 22301 57095 01174 82900 82345 01302 77790 17748
00244 82100 05559 55162 92977 52292 50400 94940 00918 66963
04615 62661 63344 67080 86005 83234 51483 89543 17889 45978
56477 70492 96776 78817 75753 63630 22490 11312 32703 66291
15649 17493 45684 77152 39224 22470 52036 53160 72849 60099
41126 30873 15031 44606 90127 96779 05349 01666

13825/12125/11025 kHz, 18-08, 1500/1520/1540 UTC

08352 00001 00000 33665

13825/12125/11025 kHz, 23-08, 1500/1520/1540 UTC

08302 00001 00000 33360

13825/12125/11025 kHz, 25-08/30-08, 1500/1520/1540 UTC

09913 00164 09607 25306 51073 54977 58746 69204 17153 72885
76021 93333 92575 27266 56019 65507 21275 13699 04455 36037
30335 97946 39588 49397 80820 45769 07703 28786 58399 34140
67506 30106 03625 08940 11573 96600 22836 25224 74551 76849
01917 24394 45142 58519 50748 10964 17723 16701 64029 73185
57832 98185 08069 03096 19192 66531 40436 31440 26186 36195
41879 06094 79146 86526 19161 09483 73723 09181 73565 75674
93282 73430 34123 93802 67564 49891 86976 73755 24664 87682
69221 97423 16228 57491 29647 91560 17484 80129 82595 45550
69879 59695 92203 47607 86405 19946 86487 86591 83593 92294
31700 53850 72490 06566 84566 91379 84914 17917 52222 04413
75924 29399 93156 13531 20072 48431 19339 38064 61492 32533
54153 49002 94176 91283 96280 19336 46304 79800 70098 84233
75591 67589 11208 17390 14677 46674 32006 63674 47571 92000
90088 60759 40766 36911 82330 50498 42194 52934 10085 49059
92521 60502 25323 03727 38316 22722 87470 86086 00328 03031
18393 81189 87822 31853 83777 63168 05523

12152/13552/13952 kHz, 0700/0720/0740 UTC

12152/13552/13952 kHz, 04-08, 0700/0720/0740 UTC

04152 00001 00000 32661

12152/13552/13952 kHz, 06-08, 0700/0720/0740 UTC

05598 00001 00000 37666

12152/13552/13952 kHz, 11-08/13-08/18-08/20-08134/, 0700/0720/0740 UTC

09653 00238 31130 16652 45379 45377 57359 50370 88093 70914
36439 87713 92968 57412 89300 08989 12046 40997 86495 01799
09090 64251 75579 82370 02355 21524 67430 47474 38085 61101
15487 67986 08785 95724 10227 99381 02885 79375 70092 51750
03401 45733 52097 80639 23686 84401 19272 72376 90257 24069
00621 76837 87925 73299 59226 03587 68244 98612 85671 47553
90016 63652 53601 42121 06182 47471 41152 88398 69729 53817
72584 25210 34244 26122 30457 39870 90145 92517 22982 75475
27027 93112 02646 30265 62267 52706 36822 70032 13843 70772
53923 62851 09688 24549 73349 01360 95985 82687 34134 66529
95531 39439 00433 39881 13945 05598 10063 65129 18618 53098
31893 26238 16915 76637 09000 57900 15784 57441 31241 61428
13716 06168 28236 33980 46219 88288 23461 66353 07132 39795
80479 20545 36076 83805 25601 62358 44922 23494 07062 59565
59095 28737 34740 33822 49851 97048 89024 06867 31102 63596
99330 36953 82811 80161 06345 15596 96715 84187 32777 69001

90996 50558 79155 66506 69188 00072 21056 13178 62015 95935
17537 75065 26362 62119 50082 24520 77510 48168 77923 41277
10051 91971 85449 48295 53386 09371 29433 59041 73924 80930
04764 81791 17811 93707 64411 00091 94119 52707 00472 55636
00080 87818 22181 20303 32144 87198 45864 95624 45953 30079
06856 02172 14297 90750 82099 07221 80343 18265 82522 76430
52375 08612 91511 02259 98115 42462 08097 31828 58647 99447
68565 88683 48058 42231 64137 86204 38378 28829 85230 67297
66244

12152/13552/13952 kHz, 25-08, 0700/0720/0740 UTC

05373 00001 00000 34264

12152/13552/13952 kHz, 27-08, 0700/0720/0740 UTC

02055 00001 00000 33657

19597/18173/17472 kHz, 06-08, 0910/0930/0950 UTC

19597/18173/17472 kHz, 04-08, 0910/0930/0950 UTC

07124 00001 00000 33661

19597/18173/17472 kHz, 06-08, 0910/0930/0950 UTC

05105 00001 00000 34255

19597/18173/17472 kHz, 11-08/13-08, 0910/0930/0950 UTC

00429 00525 50799 76569 36302 71450 09434 23538 41223 84096
00013 32626 56234 80644 04579 62183 74763 05288 27320 88788
05247 63799 78218 80222 68831 84254 25644 97517 67932 33118
21215 65686 34920 21934 45796 53761 96353 73276 42062 98979
48766 87914 91797 78598 93943 27927 69636 80190 07368 74350
46276 89482 49770 78963 48924 00795 07639 07903 89425 16073
94001 87263 69801 72773 24442 57617 39758 12159 52429 62855
88811 70769 07058 64671 80438 28735 11463 32334 00716 42323
78178 34909 58033 18549 42333 84553 42270 12219 09545 49199
78280 55170 95965 82666 07277 02232 48318 60040 64727 54216
38713 27416 01851 51845 10397 15385 34705 43707 85269 07601
79549 48828 70468 31808 62919 38706 53925 82445 22212 33470
33451 25515 99838 65765 73223 34417 18477 40856 60282 27834
37355 89959 23130 82143 72948 44090 02837 58458 50806 08048
73664 94054 16254 27542 49597 24500 73989 34358 26934 20196
18700 65867 80817 06029 74813 67937 02908 44455 66849 66806
04372 64649 45308 73412 73987 50227 33313 91071 34683 52966
93061 75568 93599 33591 47567 49386 87747 46235 08651 05253
97088 42373 91908 23431 88119 63086 19897 61399 31619 60553
97960 63802 33761 46859 98180 58586 02980 13207 32016 99119
89021 22929 54831 80025 86469 75224 22183 15595 61366 86970
68987 73169 78191 58726 07658 75302 72108 01191 89838 32750
60184 16053 83534 52608 81301 06309 24994 34833 40768 18706
99035 17593 61927 45655 03563 36536 08486 39834 43307 11578
13318 59140 69543 66088 86827 26302 29930 96708 48503 69208
48255 30102 50577 08820 72321 80094 48671 62646 27635 29055
06026 04344 17939 20974 36287 18385 18905 61719 71947 99911
36384 87729 08027 46826 69106 04466 53933 02159 91716 11197
13249 23995 09956 77763 20968 20673 59725 78813 44055 86423
10511 13645 40959 75111 15276 60769 84630 91783 10538 28029
23825 48770 10158 14340 35934 51358 39015 16968 38549 22089
27731 29858 56278 91637 69161 92651 23843 41117 99741 35111
30595 87428 27843 81784 39288 27278 34294 89067 55083 25584
53925 01222 30647 51599 40366 34016 48303 77436 48238 18265
64055 59546 29378 83525 51634 76193 06038 65244 21134 10817
65267 80371 55871 38715 00100 93632 58852 07086 62645 45105
09638 20642 14059 26298 32995 46592 63761 14869 11840 51419
78225 82095 05294 99236 71021 04601 99576 08426 73492 21434

69839 92937 05467 21596 16401 71116 39943 19290 10140 30680
92205 15616 45485 53791 65130 06091 23468 90112 60595 49500
50736 22841 70522 12437 60426 75225 98654 61113 15694 58860
38483 90877 06926 49076 35992 09743 41003 59170 20544 70787
43182 45099 22480 11828 53344 01041 25837 82899 72492 09018
66874 45325 41146 57254 22855 06954 46104 95370 46630 69103
18942 48821 62310 54666 21614 16595 91531 06758 09756 82520
44746 20008 01457 53886 62663 91247 01241 41747 04103 40185
79996 53835 56403 91506 90739 67598 61515 30719 63135 27408
57457 43194 02032 79177 57377 44363 31080 62781 51438 00481
96580 82676 10927 06352 33592 76786 71421 88209 20432 69336
58734 58166 96562 21361 69334 28178 35608 30502 83456 09330
87245 99589 33784 05344 66808 10360 36915 59430 35237 37849
93802 36817 72581 76795 27314 01625 74447 28902 95511 50880
53896 09595 16592 27676 52708 13282 18650 62361

19597/18173/17472 kHz, 18-08/20-08, 0910/0930/0950 UTC

00540 00327 63306 89453 29389 76656 44574 75392 57234 76143
50567 61286 83328 10036 70431 51881 68895 16702 49039 69264
17024 92162 28937 98431 37653 79105 75925 43925 89618 48942
69952 91602 88279 99370 48187 37393 08587 71647 64473 91421
43912 47884 58891 32916 01648 53221 99307 82518 10645 61193
27378 63287 14479 96123 94306 89729 10342 45080 41474 24944
67104 18974 20325 26708 25865 80551 30154 30522 99327 40718
91623 00802 07543 09292 30800 07661 55326 23495 91267 64054
78434 47487 79835 73279 51761 01275 71514 81972 66748 90660
15310 54283 67522 34979 04713 39849 54523 72019 05823 82306
07581 24263 66851 95505 98299 00112 24885 17747 46818 96990
43100 69075 60424 70652 48844 42807 94586 42194 99122 36008
86339 23724 23688 44297 93244 22306 78090 62981 74807 50419
50863 10126 75390 95906 18831 52438 62681 42045 18124 97941
90580 54954 21583 98960 82484 09758 19486 38252 62124 30972
33587 36398 39028 04487 82720 57158 80410 04752 13220 13555
05980 81763 51516 84993 63097 15929 42002 26020 77052 10552
92585 46428 93111 45132 92148 41667 68890 90662 79462 53253
77183 19990 05440 33854 54355 99251 14047 28155 74115 17846
14142 14148 94536 79618 40836 49194 99487 39019 42232 03601
78301 07825 04323 39003 89708 93873 05153 98283 49978 33149
86120 74624 53027 74696 56526 28757 07942 42988 73332 58041
18941 30734 94668 83662 12902 22013 63967 51757 73284 92831
13061 60193 76159 62791 61929 16371 11234 49361 18410 25138
93262 35745 76214 97495 49371 34544 59303 53445 02652 33615
08767 18826 36919 52821 37580 21830 83450 97139 46728 57142
66421 71694 73943 94710 62895 44069 10825 97200 20308 93737
77241 40477 61433 50007 34615 41409 46840 93194 81469 05120
23662 69948 27245 79343 14573 00944 29999 44891 40380 60723
83343 24964 03897 58849 11492 94283 09799 46965 26898 31069
95567 35176 62970 02516 45398 33178 38188 24967 64415 28264
55777 70292 68020 10471 74528 54619 60293 62182 58491 52323
60286 30927 41396 24056 65464 42485 00676 44910 57010 23106

19597/18173/17472 kHz, 25-08, 0910/0930/0950 UTC

09496 00001 00000 36272

19597/18173/17472 kHz, 27-08, 0910/0930/0950 UTC

01812 00001 00000 36252

19164/18239/17451 kHz, 1700/1720/1740 UTC

19164/18239/17451 kHz, 05-08, 1700/1720/1740 UTC

07046 00001 00000 34262

19164/18239/17451 kHz, 07-08, 1700/1720/1740 UTC

02979 00001 00000 42261

19164/18239/17451 kHz, 12-08/14-08, 1700/1720/1740 UTC

06534 00175 64274 45654 34186 13350 02062 09194 29329 95913
40517 34940 36914 06498 88477 10894 36473 78187 94543 05955
54285 39008 41764 29013 54554 65296 25576 82110 52412 05522
46021 44757 96889 10006 27205 74120 10202 40723 13003 51210
88947 27594 52140 28175 83196 28561 16963 17292 13220 34783
10738 16488 32206 79189 04829 11411 48169 84694 45832 37842
08734 70857 70687 04272 78307 86381 10704 17491 42237 05094
17451 75626 65609 32735 72930 77370 90645 61971 13639 31218
10192 07068 18176 41370 43731 44154 67355 15624 74493 19267
81780 49266 18636 37526 89158 08748 20373 85825 46655 21755
81913 79326 83272 78088 18141 91065 34374 07603 31126 62726
70771 81052 69195 27301 65417 59696 20156 51456 22681 92398
98345 86042 19874 09221 82287 04942 25276 89237 58404 26491
87324 68148 42670 33141 41641 20031 58535 93171 32681 62949
97577 31809 25037 75639 98540 68289 36726 47020 53256 56148
22303 17282 27159 26344 32383 95334 82151 30477 94554 34493
69851 50887 39280 34132 14266 82517 78046 34074 56156 61240
82071 18260 65662 80874 49609 08872 89294 23565

19164/18239/17451 kHz, 19-08, 1700/1720/1740 UTC

01835 00001 00000 37654

19164/18239/17451 kHz, 21-08, 1700/1720/1740 UTC

01002 00001 00000 32260

19164/18239/17451 kHz, 26-08/28-08, 1700/1720/1740 UTC

07246 00202 78971 49856 98636 20446 04495 30658 29487 05633
80734 58792 85088 57817 03572 36079 74262 69516 66930 83122
12109 39764 57425 26929 72400 27868 48285 64547 57173 92078
68856 02174 86225 38957 36409 99116 96415 84851 71058 31403
04200 23225 67552 60885 79423 91701 48072 27097 32747 90109
09858 54587 90084 02435 34949 24632 20482 61680 46760 48342
35617 45191 76844 45525 29199 66427 52168 16818 99125 07124
18046 79177 05555 98549 73226 86450 34860 31006 88885 32115
48291 72637 15644 06791 93389 09736 98503 52426 41282 07067
98553 15616 21458 97154 40941 99191 96602 19377 42454 40904
08089 53358 22062 21814 12564 40368 25471 08906 15034 95870
73658 13431 11610 98581 11978 72408 22929 69151 22889 65753
49633 64062 76478 76585 84750 24537 85087 57459 71581 36631
98805 74409 87712 55995 03282 69536 40541 28982 36273 57167
48172 28114 57985 69611 60331 82227 23510 70005 73463 87130
56746 32636 08017 37854 40496 88134 21950 04544 58819 78516
59336 78826 86406 95998 10330 46467 55710 45478 29583 54629
57329 85328 51201 92866 55930 97964 71439 81736 96949 09383
55111 78471 93632 04748 52018 31828 54190 04032 39684 64791
36208 07166 18866 14923 55131 09039 57931 31900 45236 70779
76748 71402 86979 93048 75536

16264/15864/14864 kHz, 1100/1120/1140 UTC

16264/15864/14864 kHz, 06-08, 1100/1120/1140 UTC

05546 00001 00000 36661

16264/15864/14864 kHz, 07-08, 1100/1120/1140 UTC

01889 00001 00000 42261

16264/15864/14864 kHz, 13-08, 1100/1120/1140 UTC

08060 00001 00000 31266

16264/15864/14864 kHz, 14-08, 1100/1120/1140 UTC

07276 00001 00000 35266

16264/15864/14864 kHz, 20-08/21-08, 1100/1120/1140 UTC

00450 00758 92531 97574 53371 94693 28584 99882 83986 98869
44706 30812 38047 55811 45823 18017 66450 68580 78738 24971
81132 48460 04677 67205 48986 76070 53390 45327 10526 74450
16187 27621 59364 86220 10652 47844 96509 78278 61450 76306
44904 35433 72056 97046 00836 03094 39243 56456 75688 87650
13743 54877 49287 96346 96407 85641 96876 63196 49421 88596
95524 48192 80645 03502 22690 51778 52882 42923 65669 63913
53133 29239 19453 37028 11194 48830 82338 59206 23540 61003
32331 67242 75314 74610 89120 65511 58975 64496 37381 40784
13059 93230 61812 98935 45495 98283 94246 99157 88423 60322
59887 81793 55515 83427 54434 26399 24901 26850 02869 98174
81089 37145 14797 37275 14757 47822 96763 74816 59331 82524
51677 20997 88631 01516 70116 33742 93863 29400 24683 90787
35692 75085 35955 52966 00475 49512 71226 27003 88060 39236
97795 48376 83604 37953 84442 13537 41415 99447 66226 68791
54548 75688 92569 05556 72905 92968 75035 35764 87696 91751
10639 06702 26834 40616 57316 29183 30606 57540 75272 60827
03850 46424 71574 19008 15838 86363 79094 93931 73220 07306
45363 50256 63159 38660 42717 51545 70181 23620 46430 50310
13835 60071 72587 59360 38614 33089 13471 37912 71779 06016
62777 84638 32298 17945 22764 67092 23494 85680 56988 74654
58011 45231 24781 99268 34187 02952 41630 84316 36323 44791
02986 98473 14878 28779 98382 76408 16095 29156 93057 69823
36879 01893 81198 76941 36820 17479 05010 85492 50418 05449
23804 52545 51161 60825 68483 99598 61823 03495 04139 83985
79545 62266 43003 50647 86320 50054 26183 12886 07995 16525
89221 79915 97211 47175 66122 45358 73423 32597 01147 00949
96581 34329 55945 27105 92786 87169 03194 59892 07278 14928
21088 43762 52246 31155 70744 86095 76915 61530 20870 06200
29090 07677 11243 67551 91272 62866 40540 16421 33844 98309
87099 81001 01995 65326 55816 24392 67978 34288 70391 36237
97682 41039 64941 57221 02122 83658 69489 99342 03746 16421
69368 26729 61008 94345 54019 14881 96400 54571 66800 03992
76668 75246 02592 48243 41336 34231 87039 93073 85098 14865
21829 61670 09232 35025 11440 01950 65390 69575 98551 15124
70319 96940 17003 84451 11068 79021 82830 57903 09239 52357
90407 03070 34591 20113 92444 99785 77275 71702 10862 17375
25861 62687 03524 91334 97854 63169 54572 34219 48480 93630
01516 84605 79077 81790 58243 20926 74787 35356 81370 17754
75597 08382 47963 30664 01035 62735 58693 40892 00439 20550
77798 17018 88023 86624 34697 62707 71731 92619 20274 04797
72336 49235 42471 41914 14900 20963 39338 96185 50636 56647
54715 52092 30352 23635 02269 57952 78611 14741 03735 21598
07289 26906 87957 11760 70890 20838 49635 39413 26447 90442
01164 69816 68759 86825 94044 85420 54603 47471 60377 10275
58706 17143 89292 43505 46638 72018 90145 90602 25081 17693
62462 71452 03926 27864 92318 36296 02349 07452 08433 09397
79495 32319 78009 58604 02467 16666 72146 15497 02838 78559
71421 00832 37558 39774 22024 85904 61847 82035 55205 82683
11421 80181 10610 83434 02897 45544 22833 33865 81507 97783
73653 53875 84169 91875 35849 36047 07365 54810 06322 79270
39669 42386 47370 95084 40728 16420 24642 11768 43000 05525
75024 02874 75124 50836 64169 99199 07903 97213 56893 93823
97897 43375 22085 30534 93951 01475 10608 33911 54562 80097
05879 49931 85049 66226 22613 79206 92081 11429 80117 54692
64002 98663 91327 31229 99996 37737 30811 18304 84501 94800
97524 01355 86113 15521 48588 33342 61287 16932 69886 42915
02612 65515 06598 00780 21531 71933 65189 67952 37885 80288
50553 74407 48095 54409 28132 67561 97206 86612 04015 75260

55066 09764 46199 93448 51965 10267 31981 84611 78840 78710
93706 19086 08040 92256 46773 72323 56976 61629 89715 88419
88121 44063 36000 20391 06332 24183 07073 76033 04416 56496
86372 42942 97177 76477 15784 96749 43215 43959 78427 23956
61208 09597 56914 15132 72853 23634 90107 22572 81578 79483
38330 55023 56710 95042 48340 73770 47769 54993 97421 02438
20473 37884 66559 81062 07283 39183 96778 42071 17352 96304
65681 74091 71003 16663 83501 10060 43579 16852 63059 97936
95412 44817 16519 65072 90635 78588 67208 16805 21917 53489
62406 87749 60390 87715 17587 13565 36498 40884 37030 89775
45677 87442 44452 24801 83286 24445 76913 98926 43986 46453
61130 96438 99702 64624 27038 06816 87542 06016 20657 76900
16162 01301 49653 32983 32186 06735 63613 47601 38493 70876
45557 65579 92890 24969 40141 12642 53400 24009 80042 98120
44736 16994 98599 98362 33366 63265 50744 11522 36782 74364
45322 13745 92608 61681 16362 31920 76691 90285 57712 42763
59517 75228 29500 18684 55337 41848 71063 40297 46897 41047
35035

16264/15864/14864 kHz, 27-08, 1100/1120/1140 UTC

09022 00001 00000 32263

16264/15864/14864 kHz, 28-08, 1100/1120/1140 UTC

06129 00001 00000 36260

Test /training transmissions

9193/10559/11504/12141/13526/14396 kHz, 0700/0710/0720/0730/0740/0750 UTC

9193/10559/11504/12141/13526/14396 kHz, 05-08, 0700/0710/0720/0730/0740/0750 UTC

01862 00134 33867 66774 14470 31029 58664 25817 59588 48494
85056 81169 18663 08837 72822 85787 26700 66612 91334 25707
03450 61501 35118 51729 26303 81306 44660 90863 52202 72488
79963 90007 17012 44209 22293 73146 28516 93179 71236 44951
63160 18870 26684 78301 00930 30000 50251 15779 24040 27792
23388 34473 17731 08071 94944 36726 35071 91137 50470 33163
87268 67888 73614 77008 68430 94948 65156 75552 77533 99685
57281 33530 88775 36483 62445 84478 34816 56915 40799 95192
30055 28880 66822 23409 48090 44489 72375 08941 49253 95566
38075 36378 42709 38073 56681 95359 45355 39565 08771 15880
65953 74697 38335 23354 71500 90867 46696 81247 45524 00475
01900 78144 51337 55277 01008 68388 00877 50104 38018 24040
22572 56114 25212 71866 61609 10902 90724 50701 78888 67184
39123 95239 47144 24819 29238 56356 23002

9193/10559/11504/12141/13526/14396 kHz, 06-08, 0700/0710/0720/0730/0740/0750 UTC

07717 00126 16300 42199 62284 36638 61000 56655 87128 42708
11178 90000 60809 05477 66314 79943 78118 38886 00386 88877
61388 70150 41055 12779 42992 00331 25389 48334 02503 22288
17683 61449 39034 42660 11250 33856 29233 34334 64611 11038
63080 46630 88235 65560 69011 27066 14306 45684 00311 21638
34699 81850 58243 47243 44889 88309 78185 04433 00107 61830
00348 11565 43142 67020 33015 50627 41065 08048 83116 33457
40610 32883 52282 99357 06886 14547 81913 64482 33766 25820
85835 80684 39012 70653 84387 26630 01186 81780 86670 22830
44658 24701 34126 12780 01689 50406 82588 11104 32446 18383
64883 06358 61467 66863 80017 91814 27668 58884 30257 30332
05384 02603 60663 63265 66665 28543 73550 83376 61521 06263
47330 60284 00266 40275 77686 26017 06657 50500 16663

9193/10559/11504/12141/13526/14396 kHz, 07-08, 0700/0710/0720/0730/0740/0750 UTC

04732 00127 37019 92477 26297 30818 71668 83045 07154 05185
76479 23055 90237 05281 43967 97465 77087 70584 96160 30043

33402 41029 14092 87148 80148 29571 72844 98419 79442 61745
22869 12957 83823 28798 71565 62845 82252 15734 77413 44062
64661 06469 39008 69006 63082 57397 03745 69392 43856 95422
66909 06030 10256 53498 45256 77554 24167 49869 12329 96724
57972 73248 03602 45408 82315 63522 39231 61438 33715 81121
15212 61352 93170 52098 65381 26932 02021 45084 24066 22750
25826 03451 54562 84019 94835 16838 02700 30324 83540 94010
38678 32382 03405 80688 86088 91411 02867 93598 86690 99559
18166 42305 35677 62734 80209 05556 12859 58156 88115 18324
75532 79081 25803 89577 70898 54520 18686 19582 50571 65477
60821 08906 77896 39703 42442 82828 57947 12481 66009 00445

9193/10559/11504/12141/13526/14396 kHz, 08-08, 0700/0710/0720/0730/0740/0750 UTC

01161 00129 39481 66926 15047 13448 56913 86473 61481 25028
13126 87269 61320 04221 97826 90982 14113 27625 05787 35329
60606 64193 94223 68805 14448 20088 73683 20203 82115 96000
27840 90689 20561 66583 35497 12933 71278 74692 97917 07893
81861 68926 30833 28107 29864 31130 49093 77828 28079 30697
48758 33755 54817 55457 05822 12877 52125 70674 52477 94957
39764 36710 04358 65479 97187 22435 66707 94735 68722 84893
19704 39420 29707 97892 53467 91679 33360 66116 38940 83317
70994 95854 92122 51417 47242 94083 35871 65102 60761 22620
60806 00603 22214 02959 68128 45150 64568 65353 30919 07428
64421 54356 09105 43185 10993 09337 04048 56923 01990 14142
79515 86008 31733 69159 23963 43909 44586 52940 18236 03103
86563 01604 33973 46101 24087 19100 17205 26747 29764 08316
27110 35110

9193/10559/11504/12141/13526/14396 kHz, 0900/0910/0920/0930/0940/0950 UTC

9193/10559/11504/12141/13526/14396 kHz, 05-08, 0900/0910/0920/0930/0940/0950 UTC

04887 00130 70683 00386 91724 79066 10629 94440 91082 73325
77709 83335 18637 44624 26333 74006 51492 46244 46046 49465
28517 83244 26293 44061 87116 28279 55582 81244 35926 43515
90225 22286 07328 00292 84445 01778 74433 77450 30034 62339
62684 58882 18748 51861 93510 37770 64906 36487 15910 04432
16134 03146 00148 86308 33300 72285 25635 26622 13178 63444
28883 39384 58613 38566 83099 46412 66666 19345 59177 24555
99681 74040 15110 83605 86780 69533 64495 74431 50440 58446
63372 13584 65223 31383 37380 77179 21148 10018 56880 11160
66141 47800 63272 66688 33455 23333 00368 80081 67661 47007
62662 45561 77318 91353 04860 31092 88024 16432 99527 73776
07790 51103 66081 44730 00072 15399 74059 27229 00085 95918
13264 44887 62364 47017 48323 51869 08668 47330 50149 63480
69165 83313 26777

9193/10559/11504/12141/13526/14396 kHz, 06-08, 0900/0910/0920/0930/0940/0950 UTC

09071 00122 06988 80125 15334 94835 42781 29387 45081 78846
45005 29640 41954 46292 26313 01463 83794 93389 95279 24564
36905 87854 09570 84338 50586 68712 29912 68175 55418 02834
16214 36300 32512 53272 76881 05481 40297 42407 92954 50666
84104 80798 27552 49573 03744 42381 92197 43857 84360 07762
47022 10914 47391 17708 37246 70668 05022 22649 29539 46620
64922 74605 73967 42246 62632 08704 97126 88680 69409 20831
61165 41386 00434 44612 40458 56105 60302 59995 80594 08205
76514 86054 83813 47656 55811 05300 88907 14803 16026 06213
00459 17647 12867 46333 85743 09498 06831 85304 86940 95038
45253 03517 74446 63529 46595 05635 10479 02779 77248 81139
10366 45025 42054 21334 70105 78867 90790 26310 86434 57331
19795 82323 72653 63196 31226

9193/10559/11504/12141/13526/14396 kHz, 07-08, 0900/0910/0920/0930/09840/0950 UTC

04451 00120 26321 69392 25512 62019 64579 25539 04992 67723
76246 49704 67749 10945 54003 27306 16752 53261 46004 79803
70167 37956 20073 80604 93952 98680 17120 01222 75110 13913
78213 79947 97325 75261 12886 40663 63260 43921 08526 37929
46407 64896 53278 70317 08439 37811 02485 42681 46783 64682
16876 14429 24931 20674 08519 33532 82347 45715 75438 26831
44899 63356 50427 91078 89509 96298 52378 92486 98057 13340
64044 72830 44734 08075 33396 05271 84677 49755 72165 56141
96195 74438 54438 10427 97035 63783 55015 76650 66741 79352
58314 17545 68481 81694 93029 83049 14468 62198 80807 12140
85431 09997 44622 33443 00638 44044 69693 16856 87277 03248
48854 32592 73549 19296 30635 70459 08918 40000 94041 25725
41282 75727 45667

9193/10559/11504/12141/13526/14396 kHz, 08-08, 0900/0910/0920/0930/0940/0950 UTC

03856 00126 37475 10423 80309 53597 13555 75071 48971 75792
33218 65465 69573 29509 22098 18513 72216 26168 09815 86752
74278 47602 49685 73192 52024 04236 36042 49241 38927 59156
78408 61403 44978 12567 25016 60231 08007 15014 75402 98613
83025 16052 15848 61723 47500 17951 68938 68625 49517 00267
76835 90332 93058 99800 90518 46088 81987 64281 58397 76072
17554 64312 36143 89813 97382 71813 20487 57005 04493 61865
10506 57202 50764 11200 03726 58226 31753 87960 25692 34072
35297 67415 99723 38659 82319 88074 68344 45177 22047 78927
78243 43724 56615 99329 81058 18713 79908 26033 64341 75685
97463 11932 64132 87650 89760 19633 39568 81858 96073 32292
14334 94026 38589 24325 40775 50138 64587 97482 07493 09308
03469 75308 34958 25564 83621 66780 00587 51434 76275

9193/10559/11504/12141/13526/14396 kHz, 1200/1210/1220/1230/1240/1250 UTC

9193/10559/11504/12141/13526/14396 kHz, 05-08, 1200/1210/1220/1230/1240/1250 UTC

04883 00137 78015 37424 05425 60155 04248 24685 01103 06143
18526 98370 16090 11647 69114 38629 28678 02691 34327 56662
55020 06561 04086 67151 92153 66655 65307 58293 61276 72259
90639 30003 51571 78604 40754 72358 86316 32726 02501 03240
83178 07395 40969 77805 05687 61123 09578 03724 95054 18596
63380 80033 41277 84466 60462 62541 83583 10864 45269 38768
94847 45953 63408 28843 15502 88521 46799 37485 70891 96755
52312 95950 00190 31086 73483 47624 65591 26279 61463 31029
57076 61583 63238 42680 08878 10606 88724 67103 18141 78211
88773 75452 87456 63732 08392 37224 43986 12125 62303 17165
14324 72092 32831 98298 66283 67428 79843 10191 10982 12838
96949 57304 49399 14239 81691 33263 82714 20728 19965 04895
99795 79694 19343 92679 07981 76859 08494 36456 22694 36258
03637 53465 63974 44298 16705 84982 28751 64938 76396 16603

9193/10559/11504/12141/13526/14396 kHz, 06-08, 1200/1210/1220/1230/1240/1250 UTC

09109 00121 59636 70619 41329 06420 73873 32159 53672 58786
52872 90468 28818 34346 14401 21960 72121 81699 99138 43584
51797 88897 99205 39978 24632 54289 88023 38454 14221 19238
06680 01450 08635 30247 34056 47436 11529 70054 45144 54364
36038 51910 68526 19866 12379 38196 72026 89987 22272 00759
17442 12333 60746 51434 53671 61295 07038 19658 45987 87039
18395 35419 17937 34433 52105 51421 81832 98570 00289 66963
10430 02067 36554 44773 07545 99885 20371 79339 27598 86434
82261 98034 16182 13461 01795 94346 40703 57200 76575 72760
40397 91870 24067 58104 35968 00619 33972 34093 67759 60956
56363 73455 89698 55307 90328 15375 75777 15972 43888 53784
40924 27698 92058 59551 04777 20360 19236 04475 32637 57758
10718 24631 21994 73463

9193/10559/11504/12141/13526/14396 kHz, 07-08, 1200/1210/1220/1230/1240/1250 UTC

06009 00132 56871 48406 62945 15333 57677 74054 34447 97199
54530 37370 80063 48664 60240 89167 43910 20893 22375 41572
41672 37113 01021 93839 74738 58718 42053 65988 03628 74167
78605 91519 42308 79295 31429 16371 23603 23105 30513 92927
08683 47707 14830 52407 80332 50625 24346 24731 88013 69077
17876 89236 76361 54732 14727 69753 63268 63030 73667 04227
73278 91688 70425 60278 18593 63009 95061 00768 17234 43868
65563 20804 90378 29446 32888 93964 22282 48613 13506 24112
34371 17322 77973 34550 56291 89368 15158 87574 64567 61674
53102 60571 49437 26285 19648 16993 77280 54551 33813 17322
55563 23578 07496 44145 03513 97070 98856 46914 21843 20762
47470 14654 49524 49554 69855 55956 13715 35875 03987 29224
47851 07487 36199 55559 90764 04992 71366 64093 09798 15895
16684 67730 14800 96183 75766

9193/10559/11504/12141/13526/14396 kHz, 08-08, 1200/1210/1220/1230/1240/1250 UTC

04476 00120 54667 18358 18261 00418 83941 24218 62630 58992
98197 13072 08096 09849 56024 08947 79763 43654 29911 44512
28406 18771 86399 36262 37105 74194 21914 50535 52198 17130
15867 32975 85812 59356 27246 72297 72251 69686 22210 16138
86911 36955 29443 49803 86610 94018 06742 48581 54234 87846
65033 57199 19013 42767 50599 15598 16304 18404 81252 44066
78502 33405 72018 45499 43125 65222 27259 48738 82601 83726
36694 10076 21443 13773 57599 91450 89327 36596 49651 43085
67451 73331 96300 64351 52095 58666 13961 43044 08757 11648
55992 53846 88433 78142 37634 53506 64936 83942 06678 21388
66759 58002 65979 70506 51151 54957 35755 05240 85167 59148
26270 79707 68752 38166 76613 05171 37104 07667 93402 84457
51260 84214 42311

9193/10559/11504/12141/13526/14396 kHz, 0915/0925/0935/0945/0955/1005 UTC

9193/10559/11504/12141/13526/14396 kHz, 12-08, 0915/0925/0935/0945/0955/1005 UTC

03104 00122 58003 17318 46294 43350 27207 67200 93802 03768
15355 19256 62902 57532 70656 52559 99228 24568 35098 52546
42018 29409 67872 85936 10724 67462 05054 95392 91801 55907
52733 87045 70531 07375 86578 73820 08054 02154 45208 18753
74360 29253 28813 37738 05069 37591 68308 87813 36695 16684
59453 76754 79455 14331 56375 03776 52254 72065 06594 78830
38296 31813 75397 37895 51033 28308 48723 55526 70953 96835
44505 97074 79358 16345 78184 12764 00595 30134 80867 73131
99153 17240 58697 75116 96453 75978 07590 56199 50998 82802
21565 35988 95559 66376 80456 42547 53854 90917 86703 76760
88867 12781 16860 39859 72178 62378 97394 63110 36146 43610
03180 22120 91197 33461 79676 21056 73115 00280 41441 75054
20717 92522 04528 88150 64307

14396/13432/12141 kHz

14396/13432/12141 kHz, 20-08, 1500/1510/1520 UTC

07170 00083 77854 55222 05021 22274 71220 15112 94957 80096
05259 12683 18374 67679 85679 81119 64220 17434 16832 42122
67105 85589 23079 98111 19037 55855 73198 38371 48483 29054
88263 10132 68245 86144 54783 50701 30548 40467 88673 74646
64135 91049 82322 98777 37914 25860 91065 01151 57350 40605
50454 23565 27540 31559 30065 31366 92140 79722 66185 49164
49075 32849 66627 65903 91831 95226 45437 32229 12895 33467
50571 23752 28760 42184 77985 76055 03266 24304 60197 03176
64789 72047 81019 97877 78598 36252

14396/13432/12141 kHz, 20-08, 1600/1610/1620 UTC

06641 00092 61844 97578 05529 93007 24047 39074 96882 55791

86242 10275 72958 32964 99171 54577 40160 58801 98588 61343
75157 60614 48962 26030 86845 62937 23589 92050 52100 36922
94371 87047 13033 30468 95385 45315 67498 20429 95259 35923
30287 36936 84282 23745 66708 12723 40192 73246 53699 72220
56226 79338 48654 67652 99097 31715 13762 34874 10633 42590
70648 31996 86872 00060 61418 09194 97240 32489 37578 53856
79590 19730 64641 62675 21045 38221 76330 25216 53311 74221
11745 39111 38350 89769 88674 15133 38393 45380 41369 62669
31552 39172 08796 52668 57161

14396/13432/12141 kHz, 20-08, 1700/1710/1720 UTC

05636 00090 89143 46898 83593 34385 80988 24261 86066 29473
75269 30956 26207 44570 82251 11551 85345 32784 99951 43811
85207 97774 32149 80883 61540 01368 76762 67998 45982 05605
41201 02221 14218 39436 27372 58602 15503 13083 60153 50787
29063 52646 91011 26680 09607 59868 44321 35044 30262 42569
13250 16022 80233 83656 52101 66647 09314 98258 85357 82225
57621 12989 77278 80461 88270 73147 16737 86769 17197 22649
96046 72260 72630 49154 13747 32624 06762 15469 81276 01672
57046 41717 37726 03412 92353 25179 21886 30561 87333 60724
49288 17243 21521

14396/13432/12141 kHz, 20-08, 1800/1810/1820 UTC

07180 00093 33002 10060 14595 20429 27389 93541 19838 54200
54397 20771 19879 85824 31287 11974 47089 31996 79636 83927
72729 09530 38862 54442 13870 83266 25369 90317 05298 16855
45610 13316 80601 82935 72095 29590 26114 71935 00362 90143
61177 32925 70163 86278 48796 25492 13397 27022 16961 05446
80097 07449 31929 36887 02668 71778 28797 79558 96188 33327
95059 37070 88232 02983 08590 44080 40168 26942 12729 01697
75858 75152 31533 89491 22749 39804 39366 53582 05646 78366
67668 98345 73356 99851 36756 38160 81287 43714 79667 01316
00792 57554 77576 68133 95082 11757

14396/13432/12141 kHz, 26-08, 1500/1510/1520 UTC

04229 00091 56390 85091 62623 80848 73423 28507 80731 02623
18184 00481 69537 55399 14063 00237 20038 36089 73679 13446
14347 75473 96041 82869 42531 14119 55017 54366 70960 88387
15046 60796 56185 55105 89438 28132 54379 61538 70420 31118
32550 15937 70335 10104 77250 37826 79230 33491 88853 68018
49487 94257 11509 01774 42023 12208 59290 73519 42559 48503
25831 19056 57545 92343 87575 57386 44295 14431 65959 85929
45856 58499 65667 42561 80895 98409 05137 85936 05619 04705
34888 21525 65512 02942 38900 20787 49287 54411 13082 77229
68840 80858 18978 33757

14396/13432/12141 kHz, 26-08, 1600/1610/1620 UTC

05704 00092 23122 79012 72547 93700 08555 11732 78985 17127
38479 03156 43965 22229 43749 35005 16335 78915 22013 56747
67919 44126 56914 93617 83395 92150 24024 92268 02413 75503
56473 65988 60923 06670 52307 43023 04638 49053 53195 96528
94557 06162 97982 94737 02156 72764 64854 44535 58683 82290
16753 41856 14605 59347 88426 70872 06028 29503 95615 80396
69675 16285 09319 03481 60652 72490 42232 37294 69920 00725
30366 67281 25720 25484 62188 61756 46142 62176 91460 10630
27295 79488 33584 20122 58750 14617 51383 01575 18242 81434
36994 75134 53436 72797 35511

14396/13432/12141 kHz, 26-08, 1700/1710/1720 UTC

09180 00085 16414 53937 95834 92383 19125 98848 91758 20386
87651 61650 76091 27336 16729 48241 97895 75483 59286 34162
98840 26493 30815 02338 51123 45739 93131 45004 80231 25273
55056 07865 42534 07700 13674 27232 00443 46496 21132 53666

97572 71894 99716 78754 73234 36848 17967 77726 15678 26254
25869 07259 99204 88751 96363 96303 98947 14076 02813 50094
99250 74119 18617 66485 65329 79785 19116 68390 13661 89495
47797 51399 54351 05620 36589 26946 26775 52060 29103 14274
27771 15405 29326 53977 99402 47796 08660 12667

14396/13432/12141 kHz, 26-08, 1800/1810/1820 UTC

07520 00081 38200 64440 15903 10768 10025 44474 09997 52860
22741 48098 36351 41605 90704 18001 79691 19659 23998 99107
13517 76037 13657 28837 13052 75295 34143 85625 58931 47165
45681 91649 10798 40968 93968 66083 57489 18600 31682 03397
75475 03123 17662 61976 68354 26631 77042 91598 44294 85848
17109 12724 48264 24638 94035 93366 94608 09362 51388 40606
76623 24399 85541 62831 07179 31090 37299 95382 47636 24620
60511 61090 87976 20601 23631 10393 58375 51679 60482 86420
98251 42544 41331 24242

14396/13432/12141 kHz, 27-08, 1500/1510/1520 UTC

06495 00092 93521 64713 07168 80837 09656 13335 46307 23119
21289 89566 66780 93359 42079 51711 81005 57078 42850 45815
15260 26016 66869 52637 51794 76356 79006 99960 89208 70664
33705 09882 54340 48611 90051 02093 62630 60679 72844 92361
42348 77686 63762 81026 17780 02915 49047 78227 06674 18477
74529 34550 82320 96677 71616 69682 97323 40883 12918 30781
01830 09695 24125 75641 89413 11407 35225 18168 03308 39988
89080 20326 84233 50488 03466 37572 62253 85842 34857 48879
27309 00779 93285 70731 96134 99154 27560 57662 76993 20368
04768 21746 47760 42063 50147

14396/13432/12141 kHz, 27-08, 1600/1610/1620 UTC

08884 00088 43205 67666 64629 29761 69191 30808 11821 07042
38850 00331 67730 68014 08094 28220 85511 61499 21963 95759
26869 77729 00775 70454 48121 63111 33172 22499 15291 62960
93765 22157 16523 97482 45803 74910 20555 16441 87148 95831
07080 99518 93176 65318 46370 29120 63168 58339 09383 21006
85341 78439 29400 93806 90658 70026 42132 72749 19544 01517
96587 46692 15517 48859 13275 16692 83806 70247 22210 33183
07665 69069 74350 26131 88679 27349 84552 35455 24084 19000
99942 74832 13115 94283 77618 15326 92756 22715 06823 75776
03536

14396/13432/12141 kHz, 27-08, 1700/1710/1720 UTC

04422 00087 25159 63983 03428 42572 00585 30170 22006 09899
05652 03644 99590 42385 54991 78158 60920 24150 23157 45823
38202 32524 28137 86561 59185 02971 83328 39688 11162 84892
80492 31666 69413 27442 45447 82853 95575 96422 26747 23693
56615 39216 55864 04929 80268 85259 27281 65470 02420 14672
84707 60063 36094 99193 75389 62374 09837 38596 04797 00457
59243 60895 19007 37112 29406 73985 34229 72147 96937 72136
82582 64497 97402 99463 89207 98985 76658 23207 06292 73924
75688 17857 37267 96489 00184 20428 95571 70219 52051 62341

14396/13432/12141 kHz, 27-08, 1800/1810/1820 UTC

03697 00097 08853 72044 65041 41650 02072 28311 79556 29636
11696 78273 11503 16393 15179 21482 06466 17604 38433 39320
68788 02993 41494 71365 43940 52741 58569 27152 68196 78401
82460 29092 34464 81888 29094 84607 57032 25982 82036 49950
99439 25090 96344 15291 00539 14912 50410 43976 10850 55785
84099 65309 23523 75649 51773 67094 43782 37486 28104 12299
83080 74918 60113 01155 47175 82603 43809 29613 87298 30570
64448 80482 35567 88482 39880 43698 06647 26202 70826 29028
02331 14592 16302 12411 94301 17150 05569 58813 30114 61999
40825 19545 97877 69736 66868 24521 64975 95189 68114 15237

14396/13432/12141 kHz, 28-08, 1500/1510/1520 UTC

09422 00085 31763 92698 38795 72398 30633 14485 06002 93735
57389 73177 35816 73121 99489 72666 98534 30431 56400 60005
98428 59622 51669 37589 08962 00192 72189 02619 35672 91407
81388 83390 72313 71984 43446 15359 31989 99507 63597 23981
57241 43343 99880 98437 21719 14310 64112 34347 31457 33748
61891 76220 21397 49636 43222 35092 77717 94173 83735 38602
00208 28013 78812 14593 12347 73998 00864 63831 29674 84130
40677 99026 66833 32419 02763 55084 59740 53231 15869 94651
36079 37842 71161 01923 29516 05167 61992 67632

14396/13432/12141 kHz, 28-08, 1600/1610/1620 UTC

05734 00081 53549 03203 58863 90782 21533 60110 24240 26210
92477 59625 96075 87391 73465 42427 80330 74607 21112 24950
13104 09167 34511 64089 70891 29748 13201 43240 14373 13301
72013 67175 40577 05253 23741 54210 89034 71611 74147 73711
35145 74571 17826 81659 16839 04093 23188 48219 60073 93342
53131 81686 70456 85522 40895 32154 73379 89459 32311 29114
77581 78292 45737 10939 54195 25302 19048 90822 63650 19255
53392 08718 00459 47400 89804 38531 91340 52850 47249 66797
06560 64980 83166 03107

14396/13432/12141 kHz, 28-08, 1700/1710/1720 UTC

02004 00089 03518 48309 07219 88982 45669 55613 87047 69910
80888 87309 70179 74760 40563 79837 82989 89888 50485 85119
82820 73546 00446 92464 95689 39289 22950 06856 42370 73061
55232 23076 32615 31087 64626 20312 53478 42017 07660 17066
76182 13226 90502 59106 94378 26357 88332 92564 92248 29560
48312 06071 71109 64109 15748 43503 36348 11053 52619 67828
55031 38813 13243 13986 14678 95911 54469 33092 10134 20255
26359 40971 82227 22419 08937 68594 83043 41339 88084 69332
49954 41384 14606 02810 24748 49161 52965 68505 15328 21122
73962 11175

14396/13432/12141 kHz, 28-08, 1800/1810/1820 UTC

02697 00097 08853 72044 65041 41650 02072 28311 79556 29636
11696 78273 11503 16392 15179 21482 06466 77604 28433 39320
68788 02993 31494 71365 43940 52741 58569 27152 68196 78401
82460 29093 34464 81888 29094 84607 57032 25982 82036 49950
99423 25090 96344 15291 00539 14912 50410 43976 11850 55785
84099 65309 23523 75649 51773 67094 43782 37486 28103 12299
83080 74918 60113 01155 47175 82603 43809 29613 87289 30570
64448 80482 35567 88482 39880 43698 06647 26202 70826 29028
02331 14592 16302 12411 94301 17150 05569 58813 30114 61999
40825 19545 97877 69736 66868 24541 64975 95189 68114 15237

14396/13432/12141 kHz, 29-08, 1500/1510/1520 UTC

02667 00083 38193 75979 92500 30310 17219 08370 78568 81416
59617 08332 43118 70249 38221 64318 17704 13856 33595 69283
62535 60683 38771 21147 04830 23763 68356 03162 86720 62225
51605 20068 44026 05675 63675 90743 68826 91982 71074 50800
88036 14782 85638 60400 24625 76708 52370 42466 57724 75036
11298 54434 77031 33367 06678 71904 79540 17046 71148 68736
61952 14057 21649 16342 29811 39548 64304 37442 06574 47477
95490 25721 42780 82794 81245 47753 75044 78370 96520 28121
71392 25890 45437 11683 50927 37153

14396/13432/12141 kHz, 29-08, 1600/1610/1620 UTC

06817 00080 82940 85851 72410 69713 31073 07535 99276 74475
68398 22064 77064 58706 65445 21575 09955 36726 20726 99155
74494 78040 46720 43431 08556 03566 13854 55952 31230 07256
89100 12215 99587 58048 52548 75409 73959 13653 57510 98968

49206 15902 24938 25590 43053 78436 41469 72690 43720 78913
06405 07953 35479 98746 06583 46140 53791 39509 77294 68843
55858 75120 76304 92020 85373 56182 22476 19015 06157 90035
47615 96301 79214 21756 49949 58592 53101 21129 00377 30119
62096 41162 24043

14396/13432/12141 kHz, 29-08, 1700/1710/1720 UTC

04918 00089 50936 37246 03026 79440 32481 38270 19749 87896
59821 80001 57850 34063 47001 27231 10813 49150 80535 04180
41845 75875 11807 72057 82551 56402 30421 61988 44366 42888
96625 56350 72302 06491 25135 99172 33699 99533 39029 85460
69947 65902 28856 65902 33739 88169 12617 83500 15553 70759
89739 90017 56887 75076 64544 08552 34792 78878 54693 46222
48888 70492 94803 76860 91266 03471 07699 41358 98928 47827
93530 11279 10111 85704 34232 37110 47018 45903 38218 94381
94385 46919 45425 77705 53128 06607 99461 97733 41946 26581
66390 27211

14396/13432/12141 kHz, 29-08, 1800/1810/1820 UTC

00377 00096 57014 98841 44065 86034 46563 68666 52730 17875
04400 44715 17463 71120 90123 90090 15669 74142 73560 65153
73927 60898 65881 09825 89039 54488 05423 96042 32770 60010
11825 50978 98349 10840 32547 60457 12565 92200 43740 00303
78737 96730 92022 57622 29700 96880 45737 90319 51138 44163
42929 02371 59816 32657 06967 78684 17993 47189 09902 89565
80610 30519 35996 93718 06049 53420 46365 06623 28573 29665
77525 23478 20402 74257 86414 77195 68874 08258 70123 92157
08760 15102 33902 88536 17088 09454 91161 65619 02874 63862
42463 65475 82298 54173 19981 38217 60734 98030 54525

14396/13432/12141 kHz, 30-08, 1500/1510/1520 UTC

03599 00085 02223 96403 96499 46627 58479 36322 83162 66866
71640 09748 53487 05901 24199 11107 24527 30730 66999 10153
40114 16959 42281 10137 75147 30737 10197 52297 52588 08203
03158 01798 14953 51028 94325 95527 23792 39125 78756 61824
86044 48360 32835 47503 45621 61319 35434 45534 68360 68505
50083 74326 01506 46205 67072 99828 86463 92084 21256 65762
36429 06181 83732 74958 63708 69841 94794 02458 11575 28670
87313 85400 51972 05175 24108 91751 84003 84777 64514 13827
95302 64661 82925 83071 58019 28831 00292 35214

14396/13432/12141 kHz, 30-08, 1600/1610/1620 UTC

07825 00086 47246 56288 19244 12926 50193 65724 53985 23525
13482 35360 91066 28509 00286 60032 82688 26307 88169 34751
90823 55093 01775 10424 62663 98801 14942 21025 54346 73803
82829 01706 50489 57450 96510 73901 58981 39682 52312 54754
76490 25112 97190 84403 53424 97954 02585 00634 26379 80155
07647 38407 33415 14864 85972 00445 29359 36822 93623 20442
97982 29167 11378 80181 40694 11775 84870 33615 31997 26383
01051 43005 73993 33415 58259 65710 57901 17370 56999 64708
96215 14307 94644 74190 66155 44421 68289 35625 23045

14396/13432/12141 kHz, 30-08, 1700/1710/1720 UTC

02034 00093 64389 77292 51281 85985 51171 36266 56165 55699
66000 45056 37154 55004 04702 17599 05209 25227 55308 66849
43529 10874 11020 73652 23585 00542 85425 16401 83168 80490
21469 22898 08575 86460 09608 17603 87396 49510 42261 19152
91825 81576 80428 55980 27048 00087 04645 88423 40051 09401
48891 13952 34158 85909 44882 72153 55634 90736 53707 50738
00559 34770 53096 75674 94328 33102 36481 50693 45395 87098
30202 55698 82965 36155 75022 61951 30444 55038 46604 23477
95895 97001 76349 73767 31599 47416 98738 22664 41578 37454
61967 96659 95802 91521 18593 05665

14396/13432/12141 kHz, 30-08, 1800/1810/1820 UTC

02491 00094 48818 34671 27023 56308 31593 67990 29621 61522
83028 87643 39438 32941 00033 08141 65562 23045 30407 26779
13796 68091 90030 90441 18908 03876 13093 89612 71586 80979
91256 94221 19187 40007 62711 12242 07548 71376 14484 13722
53244 85501 86447 22782 93971 62382 70807 78628 91471 63344
66864 62866 15582 37982 88366 99493 82808 44367 16612 33147
42213 38078 86304 48640 70264 00685 68446 88820 80229 96511
90501 94484 88864 26783 63424 17283 82522 66248 11478 56324
33068 33462 99131 98241 13003 28290 78739 71213 61750 63216
30642 73280 53714 92037 71406 22276 25052 000 000

14396/13432/12141 kHz, 31-08, 1500/1510/1520 UTC

07211 00084 67417 13551 92242 43197 45053 24386 24808 84236
36366 36860 07764 22905 37227 06398 27766 43970 41890 35505
80942 99612 07583 35855 80651 23877 08175 47841 60897 08532
29973 72240 55032 59304 81439 07698 93336 27974 19686 26432
42384 78413 65245 11918 35230 06941 15474 11724 51327 11758
79684 66871 06196 74471 95200 23238 16798 31562 32888 68365
35020 87200 63497 16276 54273 74035 81927 48358 41465 29528
13061 99791 24283 05457 83118 02529 34367 95663 00625 73709
08403 96450 96512 49139 28846 63101 34102

14396/13432/12141 kHz, 31-08, 1600/1610/1620 UTC

03157 00095 31920 18601 79853 50523 23954 27183 87642 02335
24795 55542 69085 27571 55906 32973 78696 43915 85243 99664
50645 10248 60017 83679 81022 44188 31459 46475 91251 71817
32372 92719 70253 28220 66922 44404 44919 00354 93712 55968
47173 18636 89290 82121 73741 88113 36626 60642 48779 59477
00297 41783 92652 37757 20753 81408 19299 48239 37578 35665
19063 77477 35930 15824 69961 32074 85287 40865 60648 11502
88053 78341 50202 29274 52491 32008 20957 77894 09938 92907
07561 70816 97695 31773 71520 90588 00067 32495 07466 85513
25105 96679 62775 58047 36904 69695 82704 77766

14396/13432/12141 kHz, 31-08, 1700/1710/1720 UTC

07196 00080 81606 52268 86688 06907 79069 27253 68882 51650
00986 67986 59876 95079 05994 32560 60616 61054 36429 88108
02040 25924 54088 12349 58910 09118 21403 10727 32223 46412
86093 16951 15729 84729 79948 17080 61664 34702 52046 24479
94247 54532 24777 73565 22190 34703 08739 20541 37640 74315
51780 75649 33102 27613 52070 76627 50612 69256 93356 77569
85502 68341 95029 22470 65555 84034 52256 75146 15131 88913
70894 25914 09008 11950 93860 47507 01147 80521 90158 24206
00379 00862 02023

14396/13432/12141 kHz, 31-08, 1800/1810/1820 UTC

03477 00096 68212 30226 61547 86423 87124 49491 42305 50985
26247 53091 75427 35788 74671 63925 27543 07114 51418 86519
94700 66371 35541 24282 15664 11318 49423 98300 22640 30444
65887 14917 28679 41861 18611 19750 41779 12717 44334 32797
53381 11184 40388 46274 37159 39645 03840 93112 04075 35254
23154 57126 68224 76019 12392 78953 47219 43929 14561 50229
38000 88822 26851 11860 85096 11329 24411 33565 17177 54921
22146 14825 62778 18621 33138 83516 25983 89265 87011 76017
07477 56310 94225 87384 07290 08760 46692 52659 29469 39656
72530 97848 98155 94103 94796 64557 84331 28527 12206

9338/10427/11574/10643/11431/12158 kHz, 1200/1210/1220/1230/1240/1250 UTC

9338/10427/11574/10643/11431/12158 kHz, 22-08, 1200/1210/1220/1230/1240/1250 UTC

02165 00134 64181 19067 16541 70820 58441 63442 52107 09165
57462 88531 56687 05792 51916 61273 02763 42001 80501 24960
02323 59352 24148 89915 59485 43712 70496 32281 44490 28503
66192 05235 22392 07012 89515 61995 20648 34158 91108 81890
64826 14836 78760 84261 70690 32441 04933 11163 93260 61571
94232 77077 07174 39521 82507 79476 43935 74265 59580 72827
00323 26160 18951 23604 42972 52226 66139 49675 16276 89920
40625 68604 50892 98609 60133 87486 80591 39885 19224 27043
38779 59332 39020 82917 34269 89113 98060 82869 24503 10038
18059 46381 74576 18280 81567 38666 95883 55155 41289 18463
66301 55257 94885 03339 20945 25628 26185 08563 79387 95019
98884 04050 55040 32537 34048 40989 87138 36032 89333 53857
54165 83268 25171 06238 71860 94242 94026 32611 17042 21467
91602 25435 98594 00760 60741 83521 55671

9338/10427/11574/10643/11431/12158 kHz, 25-08, 1200/1210/1220/1230/1240/1250 UTC

05671 00198 03443 17692 03936 64735 26461 94388 60737 22057
69620 45207 30814 39620 28286 14421 87006 00999 56939 63107
80047 25172 15568 78119 29927 44643 21136 64267 92115 72217
28895 53604 00622 94224 81600 15923 90845 26959 88890 56124
52258 04100 63078 80495 61027 91798 46690 47572 50715 63973
94935 86610 48521 12363 80818 79287 75256 25323 87764 59291
43599 62193 02273 88519 93160 16016 44585 36588 58018 12363
23574 60046 12107 00814 10849 75947 62092 35071 17092 38127
97951 73562 13551 28141 77280 42283 05082 88257 13406 02313
40665 65522 39194 29599 12525 90063 01827 74558 87333 45010
47212 10101 89552 38351 40399 34888 74503 47707 01514 04870
17195 40185 08230 49636 61338 70035 48641 74130 11238 50877
10933 56326 23182 55705 71697 58050 20852 82507 88288 20784
74119 87533 47737 72080 90913 87850 84008 75198 87741 42392
67779 57374 86742 08535 85117 00479 57292 89557 68259 42489
41422 27695 63319 36456 34076 90885 86918 33847 66653 82347
14036 91994 59417 80729 30749 29660 92446 36148 58721 73487
86025 73441 86388 68845 83097 53558 69582 14647 70587 71217
00758 31293 14247 45799 79360 46424 24213 11281 38003 00028
00931 50161 08545 05393 28356 75783 97955 06013 77784 55456
71230

9338/10427/11574/10643/11431/12158 kHz, 1300/1310/1320/1330/1340/1350 UTC

9338/10427/11574/10643/11431/12158 kHz, 22-08, 1300/1310/1320/1330/1340/1350 UTC

05844 00128 01936 61709 28873 59630 18266 71694 88295 45704
06467 43839 49608 86640 51037 70864 78421 50578 54644 22022
87095 46410 73967 10361 02467 54318 18518 96730 64903 55838
79111 95633 29707 83452 54621 37586 15068 38628 26273 47312
52703 63866 76531 40315 11247 02195 95119 10346 06785 65723
14087 15502 96646 52847 34529 68137 82944 91574 59242 74553
41111 21535 06791 32456 66591 10832 14131 66154 32018 13450
55795 39792 24305 07332 69318 23229 69877 33652 99112 00272
59197 08172 89944 99178 41750 63608 98986 76859 48923 86483
54641 23492 79385 51718 06200 31167 57075 44075 73722 00415
88062 28964 78327 93333 09927 74293 91196 89314 83527 11300
98258 49291 92460 58969 15355 32939 31589 07611 90705 02982
11845 37270 17231 45534 58808 32302 60406 72585 01131 38150
36723

9338/10427/11574/10643/11431/12158 kHz, 25-08, 1300/1310/1320/1330/1340/1350 UTC

09644 00195 06507 04915 70556 34938 89576 60911 40162 04993
11432 21947 12079 09434 19825 00426 23026 23536 72258 29343
07424 45476 86442 78223 34536 75700 76804 44662 64181 13945

54770 54979 29980 52691 98456 39705 20574 02896 98847 17612
85293 82378 84326 69713 21457 56964 78359 96206 59043 88575
41554 50111 59961 61427 24687 61334 93209 28282 70378 94855
58133 44914 96729 26217 50221 56452 91966 59387 10976 80118
79850 20130 24688 54646 44049 25045 61148 16729 56766 77570
97339 80597 85617 75604 72390 04658 95016 68551 28003 77122
46495 92291 32517 03991 59477 40378 85647 58109 19481 65003
64997 18972 85230 78924 08724 21424 25423 05315 17378 99640
00186 76479 71514 92806 97515 77535 59295 21125 53826 45633
61434 23414 31383 73852 33622 87558 87611 20696 95167 03670
39397 03038 97237 91761 12572 78367 95365 06693 66879 50965
79234 89701 51173 28362 36936 70015 20776 39709 06475 81941
81082 64522 04283 73927 03569 41583 87587 11377 45301 21165
33811 04726 10146 13708 60243 97146 79240 79752 80234 19147
82168 52602 54244 02860 66327 71732 72239 03021 36916 63606
66781 47901 14221 13226 22587 74873 98754 23310 88192 70988
90778 83988 61391 45714 17154 74507 79554 45207

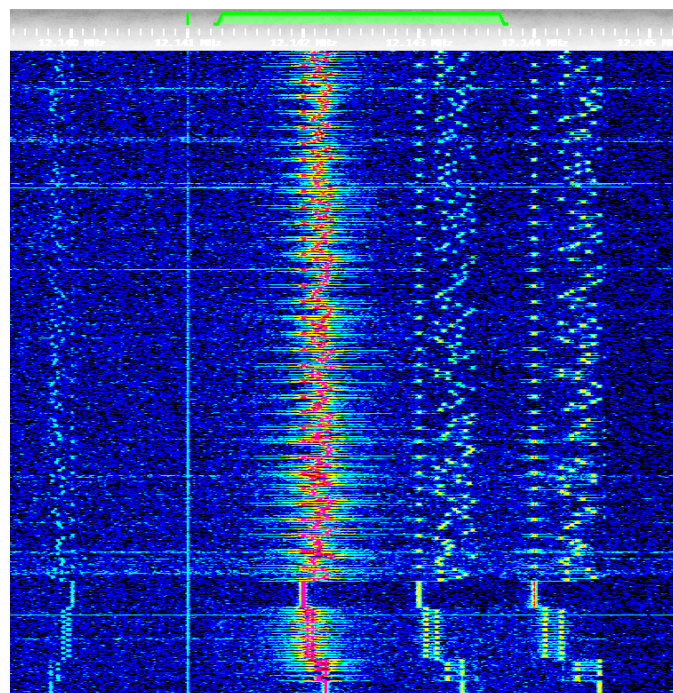
12122/11504/10751/11467/10559/9372 kHz

12122/11504/10751/11467/10559/9372 kHz, 26-08, 1300/1310/1320/1330/1340/1350 kHz

01613 00103 98880 13776 99278 86249 87502 58039 42685 33421
68096 84877 13826 61017 16940 70281 85338 84309 24636 72624
86420 90369 68826 94223 18869 66804 55009 21620 24623 25614
49831 14709 00124 33079 56673 19840 46019 14642 17502 03428
75215 67443 04649 15062 56968 41341 34259 13226 51607 74382
71908 20272 86085 07516 20535 42842 37788 04656 94906 32473
31239 65882 33416 17070 83589 53386 84753 80745 04343 97099
24261 70695 66807 21207 97407 18977 85720 53763 37255 77527
32544 41783 70011 50239 53704 29558 28622 92606 12543 13831
82050 41363 19735 85027 72188 09333 34027 87577 31472 03581
56586 53512 08882 54507 50121 01674

**12122/11504/10751/11467/10559/9372 kHz, 26-08,
1400/1410/1420/1430/1440/1450 kHz**

05426 00116 15111 59960 54121 22801 34113 50692 10052 04448
64046 02543 68341 09815 20449 66118 73547 06648 43885 71385
83807 64837 34183 04233 07095 75618 38798 04422 33472 14027
12655 50736 19305 98143 10689 15609 01408 78521 04909 64961
08392 77878 15596 76371 78539 40594 28519 56579 13534 89615
31751 83053 14153 76815 86258 93982 98529 10877 52865 78501
84001 29690 17219 96023 91791 13309 83237 70196 99124 04839
64710 95024 01738 78923 62992 05928 49240 57811 25692 66500
47099 82218 90886 43855 82274 29601 36583 42488 11885 16706
17079 90529 25656 26407 80958 78700 60658 19571 84578 65230
57355 58321 57453 08694 24905 36726 81315 35229 13823 80329
44741 40717 85183 86364 31402 01783 38802 73363 00306



XPA2 with spurs

XPB1

20064 kHz, 01-08/05-08/08-08/12-08/15-08/19-08/22-08/26-08/29-08, 1300 UTC
19364 kHz, 01-08/05-08/08-08/12-08/15-08/19-08/22-08/26-08/29-08, 1310 UTC
18464 kHz, 01-08/05-08/08-08/12-08/15-08/19-08/22-08/26-08/29-08, 1320 UTC
17464 kHz, 01-08/05-08/08-08/12-08/15-08/19-08/22-08/26-08/29-08, 1330 UTC
16264 kHz, 01-08/05-08/08-08/12-08/15-08/19-08/22-08/26-08/29-08, 1340 UTC
15864 kHz, 01-08/05-08/08-08/12-08/15-08/19-08/22-08/26-08/29-08, 1350 UTC

18451 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0500 UTC
18051 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0510 UTC
17451 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0520 UTC
16251 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0530 UTC

15851 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0540 UTC
14451 kHz, 04-08/05-08/11-08/12-08/18-08/19-08/25-08/26-08, 0550 UTC

Test/training transmissions

14396/13432/12141 kHz, 21-08, 1500/1510/1520 UTC, MFSK-16/32Bd

14396/13432/12141 kHz, 21-08, 1600/1610/1620 UTC, MFSK-16/32Bd

14396/13432/12141 kHz, 21-08, 1700/1710/1720 UTC, MFSK-16/32Bd

14396/13432/12141 kHz, 21-08, 1800/1810/1820 UTC, MFSK-16/32Bd

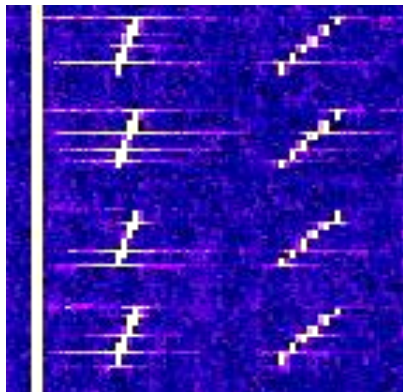
X-- Russian intel.

16153 kHz, 12-08, 0839 UTC, MFSK-21/MFSK-13
13891 kHz, 19-08, 1519 UTC, MFSK-21/MFSK-13

X06 variants

12100 kHz, 04-08, 1125 UTC, MFSK-6	654321
16264 kHz, 07-08, 1004 UTC, MFSK-6	332255
16264 kHz, 07-08, 1011 UTC, MFSK-6	111666

14450 kHz, 25-08, 1609 UTC, MFSK-6	654321 (see picture)
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DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14786 kHz, 07-08, 1030 UTC, RFSM-8000	
17440 kHz, 07-08, 1224 UTC, RFSM-8000	
18455 kHz, 07-08, 1300 UTC, RFSM-8000	
14786 kHz, 12-08, 1030 UTC, RFSM-8000	
9050 kHz, 14-08, 1130 UTC, RFSM-8000	QX 9055 kHz
9055 kHz, 14-08, 1130 UTC, RFSM-8000	QX 9050 kHz
14786 kHz, 19-08, 1030 UTC, RFSM-8000	
17440 kHz, 19-08, 1220 UTC, RFSM-8000	
18455 kHz, 19-08, 1258 UTC, RFSM-8000	
14755 kHz, 21-08, 0824 UTC, RFSM-8000	
18455 kHz, 21-08, 1300 UTC, RFSM-8000	
14755 kHz, 26-08, 0822 UTC, RFSM-8000	

Diplomatic stations: Egypt

16011.7 07-08-2025 1516 UTC, SITOR-A 100/170
16010.0 kHz, 07-08, 1516 UTC, CODAN

71: MFA Cairo clg RCVB: Egyptian embassy Washington
99903: MFA Cairo wkg 66601: Egyptian embassy Washington

16011.7 07-08-2025 1525 UTC, SITOR-A 100/170

71: MFA Cairo long msg to RCVB: Egyptian embassy Washington
RCVB RCVB FROM: 71

TO: WASHINGTON

TIME & DATE: 10:10, THURSDAY, AUGUST 07, 2025

NUMBER OF GROUPS: 1361

URGENT

=====

002AC 8AD1A 00F40 F1E81 F9F4A A7540 F563B 77A1E 25175 E0AA9
53010 1005D 5D9E8 0398E 5A01E 668D4 E605D 34132 DE208 41A15
45798 29624 590B3 A9870 68B8A 86BF8 42057 B99DA D0516 15307
etc.

18051.7 kHz, 10-08, 1319 UTC, SITOR-A 100/170

MFA Cairo clg RCVB: Egyptian embassy Washington

18050.0 kHz, 10-08, 1320 UTC, CODAN

99903: MFA Cairo clg 66601: Egyptian embassy Washington

18051.7 kHz, 10-08, 1322 UTC, SITOR-A 100/170

MFA Cairo wkg RCVB: Egyptian embassy Washington

Diplomatic stations: North Korea

16252 kHz, 01-08, 0700 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

16252 kHz, 01-08, 0714 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

14300 kHz, 01-08, 0728 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Berlin

12666 kHz, 05-08, 0710 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

14300 kHz, 05-08, 0730 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

14300 kHz, 05-08, 1328 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

12666 kHz, 05-08, 0710 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

14300 kHz, 05-08, 0730 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

14300 kHz, 05-08, 1328 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

14100 kHz, 07-08, 0717 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Warsaw

12800 kHz, 07-08, 0740 UTC, DPRK-ARQ 600/600 LSB

Unid DPRK embassy wkg DPRK embassy Moscow

14300 kHz, 07-08, 0728 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Berlin

15500 kHz, 07-08, 0805 UTC, DPRK-ARQ 1200/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow

14300 kHz, 07-08, 1436 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Sofia

14100 kHz, 07-08, 1458 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Warsaw

14800 kHz, 07-08, 0706 UTC, DPRK-ARQ 1200/1200 LSB

Unid DPRK embassy wkg DPRK embassy Moscow

16252 kHz, 08-08, 0704 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

16252 kHz, 18-08, 0700 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

Diplomatic stations: Russia

12178 kHz, 04-08, 1541 UTC, MFSK-6

MFA Moscow clg 641523: Russian embassy Lusaka

14358 kHz, 05-08, 0835 UTC, MFSK-6

MFA Moscow clg 154263: Russian embassy Rome

17454 kHz, 05-08, 0841 UTC, MFSK-6

MFA Moscow clg 325614: Russian embassy Nairobi

13838 kHz, 06-08, 0637 UTC, MFSK-6

MFA Moscow clg 256341: Russian embassy Beirut

14650 kHz, 06-08, 1114 UTC, MFSK-6

MFA Moscow clg 215346: Russian Consulate General Mumbai

16115 kHz, 06-08, 1116 UTC, MFSK-6

MFA Moscow clg 215346: Russian Consulate General Mumbai

16028 kHz, 07-08, 0743 UTC, Serdolik v2

Russian diplo. Selcal

16026 kHz, 07-08, 0745 UTC, Serdolik v2

Russian diplo

17534 kHz, 07-08, 0803 UTC, MFSK-6

MFA Moscow clg 351264: Russian embassy Abu Dhabi

16026 kHz, 07-08, 0806 UTC, Serdolik v2

Russian diplo

19511 kHz, 07-08, 0655 UTC, MFSK-6

MFA Moscow clg 314265: Russian embassy Antananarivo

20844 kHz, 07-08, 0933 UTC, MFSK-66

Russian diplo

20837 kHz, 07-08, 0940 UTC, MFSK-6

MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City

16060 kHz, 10-08, 0841 UTC, MFSK-6

MFA Moscow clg 261453: Russian embassy Cairo

19235 kHz, 11-08, 0932 UTC, MFSK-6

MFA Moscow clg 463125: Russian embassy Rabat

13421 kHz, 12-08, 0746 UTC, Serdolik v2

Russian diplo. Test

13421 kHz, 12-08, 0752 UTC, Serdolik v2

Russian diplo

13420 kHz, 12-08, 0804 UTC, MFSK-6

MFA Moscow clg 534216: Russian embassy Baghdad

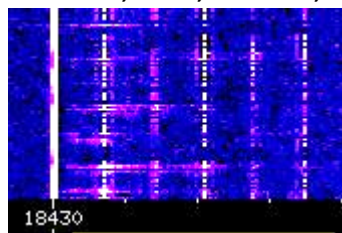
14861 kHz, 12-08, 0819 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
18378 kHz, 15-08, 1300 UTC, MFSK-66	Russian diplo.
16320 kHz, 15-05, 1315 UTC, MFSK-6	MFA Moscow clg 241563: Russian Consulate General Karachi
18400 kHz, 15-05, 1325 UTC, MFSK-6	MFA Moscow clg 241563: Russian Consulate General Karachi
14878 kHz, 18-08, 0722 UTC, MFSK 66	Russian diplo
12148 kHz, 18-08, 0745 UTC, MFSK 66	Russian diplo
11438 kHz, 18-08, 0754 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
14824 kHz, 18-08, 1512 UTC, MFSK 66	Russian diplo
14845 kHz, 18-08, 1518 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
18523 kHz, 19-08, 0847 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
19143 kHz, 19-08, 0855 UTC, Serdolik v2	Russian diplo
19305 kHz, 19-08, 1300 UTC, 112-tone modem	Russian diplo call up
16335 kHz, 20-08, 0611 UTC, Serdiolik v2	Russian diplo. Test
16335 kHz, 20-08, 0624 UTC, Serdiolik v2	Russian diplo
16115 kHz, 20-08, 1113 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
16278 kHz, 21-08, 1510 UTC, MFSK-66	Russian embassy Harare. Broken until 1521, normal after restart
17468 kHz, 21-08, 1528 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
15810 kHz, 24-08, 1035 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
19235 kHz, 25-08, 0825 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
17523 kHz, 26-08, 0810 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing

UTILITY ROUND-UP

5365/6365/8365 kHz, 02-08, 1752 UTC	Unid station a.k.a. New Buzzer
5365/6365/8365 kHz, 19-08, 1617 UTC	Unid station a.k.a. New Buzzer
5365/6365/8365 kHz, 20-08, 1700 UTC	Unid station a.k.a. New Buzzer

13573 kHz, 12-08, 0800 UTC, MFSK-11	Unid station
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18430 kHz, 19-08, 0858 UTC, CW	Unid multi channel Cyrillic morse station
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Unid pirate station on 24 and 26 August.

Joint monitoring effort by Chris Smolinski, Rycat, linkz, PY, and Ringo

6935 kHz, 24-08, 2024 UTC, AM, i.p.

Unpaired 5FG, female voice in English, sultry tone, "repeat" and "count 100", short music at the end

6945 kHz, 26-08, 0147 UTC, USB, i.p.

Unpaired 5FG, female voice in English, sultry tone. The message ended with:

48001 68477 4112 5 37423 45442 43710 75390 77744 99206 95517 02761 8386

TDoA pointed to the US northeast. Her voice certainly makes you think of those late night TV commercials for sex phone lines, before the internet existed!

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	12-8	0800	13573	Tue	Unid station	MFSK-11	(AB)
---	19-8	0858	18430	Tue	Cyrillic morse station	CW	(AB)
BUL	7-8	1030	14786	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-8	1224	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-8	1300	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-8	1030	14786	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-8	1130	9050	Thu	Bulgarian diplo. QSX 9055 kHz	RFSM-8000	(AB)
BUL	14-8	1130	9055	Thu	Bulgarian diplo. QSX 9050 kHz	RFSM-8000	(AB)
BUL	19-8	1030	14786	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	19-8	1220	17440	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	19-8	1258	18455	Tue	Bulgarian diplo.	RFSM	(AB)
BUL	21-8	0824	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	21-8	1300	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	26-8	0822	14755	Tue	Bulgarian diplo	RFSM-8000	(AB)
E07	1-8	1500	17453	Fri	432 432 432 000	USB	(AB/HFD)
E07	1-8	1520	18353	Fri	432 432 432 000	USB	(AB/HFD)
E07	2-8	1000	18241	Sat	249 249 249 1 648 137 648 137 55651 58782 00998 ... 94554 86514 78035 000 000	USB	(AB/HFD)
E07	2-8	1020	17456	Sat	249 249 249 1 648 137 648 137 55651 58782 00998 ... 94554 86514 78035 000 000	USB	(AB/HFD)
E07	2-8	1040	15937	Sat	249 249 249 1 648 137 648 137 55651 58782 00998 ... 94554 86514 78035 000 000	USB	(AB/HFD)
E07	5-8	1500	17453	Tue	432 432 432 1 791 191 791 191 73065 24857 75693 ... 96183 15318 82413 000 000	USB	(AB)
E07	5-8	1520	18353	Tue	432 432 432 1 791 191 791 191 73065 24857 75693 ... 96183 15318 82413 000 000	USB	(AB)
E07	5-8	1540	19253	Tue	432 432 432 1 791 191 791 191 73065 24857 75693 ... 96183 15318 82413 000 000	USB	(AB)
E07	7-8	1000	18241	Thu	249 249 249 000	USB	(AB)
E07	7-8	1020	17456	Thu	249 249 249 000	USB	(AB)
E07	8-8	1500	17453	Fri	432 432 432 1 791 191 791 191 73065 24857 75693 ... 96183 15318 82413 000 000	USB	(AB)
E07	8-8	1520	18353	Fri	432 432 432 1 791 191 791 191 73065 24857 75693 ... 96183 15318 82413 000 000	USB	(AB)
E07	8-8	1540	19253	Fri	432 432 432 1 791 191 791 191 73065 24857 75693 ... 96183 15318 82413 000 000	USB	(AB)
E07	9-8	1000	18241	Sat	249 249 249 000	USB	(AB)
E07	9-8	1020	17456	Sat	249 249 249 000	USB	(AB)
E07	12-8	1500	17453	Tue	432 432 432 000	USB	(AB)
E07	12-8	1520	18353	Tue	432 432 432 000	USB	(AB)
E07	14-8	1000	18241	Thu	249 249 249 1 346 122 346 122 09615 93368 60974 ... 78600 59218 28707 000 000	USB	(AB/Lac)
E07	14-8	1020	17456	Thu	249 249 249 1 346 122 346 122 09615 93368 60974 ... 78600 59218 28707 000 000	USB	(AB)
E07	14-8	1040	15937	Thu	249 249 249 1 346 122 346 122 09615 93368 60974 ... 78600 59218 28707 000 000	USB	(AB)
E07	15-8	1500	17453	Fri	432 432 432 000	USB	(AB)
E07	15-8	1520	18353	Fri	432 432 432 000	USB	(AB)
E07	16-8	1000	18241	Sat	249 249 249 1 346 122 346 122 09615 93368 60974 ... 78600 59218 28707 000 000	USB	(AB)
E07	16-8	1020	17456	Sat	249 249 249 1 346 122 346 122 09615 93368 60974 ... 78600 59218 28707 000 000	USB	(AB)

E07	16-8	1040	15937	Sat	249 249 249 1 346 122 346 122 09615 93368 60974 ... 78600 59218 28707 000 000	USB	(AB)
E07	19-8	1500	17453	Tue	432 432 432 1 837 94 837 94 94304 85715 31162 ... 20877 11297 44663 000 000	USB	(AB)
E07	19-8	1520	18353	Tue	432 432 432 1 837 94 837 94 94304 85715 31162 ... 20877 11297 44663 000 000	USB	(AB)
E07	19-8	1540	19253	Tue	432 432 432 1 837 94 837 94 94304 85715 31162 ... 20877 11297 44663 000 000	USB	(AB)
E07	19-8	1540	19253	Tue	432 1 837	USB	(Lac)
E07	21-8	1000	18241	Thu	249 249 249 000	USB	(AB)
E07	21-8	1000	18241	Thu	249 000	USB	(Lac)
E07	21-8	1020	17456	Thu	249 249 249 000	USB	(AB)
E07	21-8	1020	17456	Thu	249 000	USB	(Lac)
E07	22-8	1500	17453	Fri	432 432 432 1 837 94 837 94 94304 85715 31162 ... 20877 11297 44663 000 000	USB	(AB-IRQ)
E07	22-8	1520	18353	Fri	432 432 432 1 837 94 837 94 94304 85715 31162 ... 20877 11297 44663 000 000	USB	(AB-IRQ)
E07	22-8	1540	19253	Fri	432 432 432 1 837 94 837 94 94304 85715 31162 ... 20877 11297 44663 000 000	USB	(AB-IRQ)
E07	23-8	1000	18241	Sat	249 249 249 000	USB	(AB)
E07	23-8	1020	17456	Sat	249 249 249 000	USB	(AB)
E07	26-8	1500	17453	Tue	432 432 432 000	USB	(AB)
E07	26-8	1520	18353	Tue	432 432 432 000	USB	(AB)
E07	28-8	1000	18241	Thu	249 249 249 1 5255 149 5255 149 20010 61380 32016 ... 45113 06674 11156 000 000	USB	(AB/Lac)
E07	28-8	1020	17456	Thu	249 249 249 1 5255 149 5255 149 20010 61380 32016 ... 45113 06674 11156 000 000	USB	(AB)
E07	28-8	1040	15937	Thu	249 249 249 1 5255 149 5255 149 20010 61380 32016 ... 45113 06674 11156 000 000	USB	(AB)
E07	29-8	1500	17453	Fri	432 432 432 000	USB	(AB/Lac)
E07	29-8	1520	18353	Fri	432 432 432 000	USB	(AB)
E07	30-8	1000	18241	Sat	249 249 249 1 5255 149 5255 149 20010 61380 32016 ... 45113 06674 11156 000 000	USB	(AB)
E07	30-8	1020	17456	Sat	249 249 249 1 5255 149 5255 149 20010 61380 32016 ... 45113 06674 11156 000 000	USB	(AB)
E07	30-8	1040	15937	Sat	249 249 249 1 5255 149 5255 149 20010 61380 32016 ... 45113 06674 11156 000 000	USB	(AB)
E11	1-8	0600	9150	Fri	358/00 Out	USB	(AB/Lac)
E11	1-8	0700	8680	Fri	574/00 Out	USB	(AB/Lac)
E11	1-8	0715	12530	Fri	635/00 Out	USB	(AB)
E11	1-8	0720	7984	Fri	435/00 Out	USB	(AB)
E11	1-8	0830	16335	Fri	180/00 Out	USB	(AB)
E11	1-8	1000	12153	Fri	300/00 Out	USB	(AB)
E11	1-8	1715	7863	Fri	972/00 Out	USB	(AB)
E11	1-8	1815	12229	Fri	921/00 Out	USB	(AB)
E11	1-8	1910	9610	Fri	612/00 Out	USB	(AB)
E11	2-8	0700	7377	Sat	491/00 Out	USB	(AB/Lac)
E11	2-8	1430	12984	Sat	917/00 Out	USB	(AB)
E11	2-8	1610	4783	Sat	399/00 Out	USB	(AB)
E11	2-8	1645	5082	Sat	360/00 Out	USB	(AB)
E11	3-8	0600	9150	Sun	351/00 Out	USB	(AB)
E11	3-8	0700	7377	Sun	495/00 Out	USB	(AB/Lac)
E11	3-8	1605	5231	Sun	232/00 Out	USB	(AB)
E11	3-8	1645	5082	Sun	364/00 Out	USB	(AB)
E11	3-8	1745	14410	Sun	245/00 Out	USB	(AB)

E11	3-8	1815	12229	Sun	922/00 Out	USB	(AB)
E11	3-8	1910	9610	Sun	618/00 Out	USB	(AB)
E11	3-8	2000	5409	Sun	521/00 Out	USB	(AB)
E11	4-8	0645	10508	Mon	418/00 Out	USB	(AB/Lac)
E11	4-8	1045	10210	Mon	691/00 Out	USB	(AB/Lac)
E11	4-8	1745	14410	Mon	242/00 Out	USB	(AB/Lac)
E11	4-8	1900	7600	Mon	643/00 Out	E11	(AB/Lac)
E11	5-8	0745	20640	Tue	228/00 Out	USB	(AB-POL)
E11	5-8	0820	17378	Tue	Test tone. At 0821 UTC: 132/00 Out	USB	(AB-POL)
E11	5-8	0845	19184	Tue	157/00 Out	USB	(AB-POL)
E11	5-8	1000	12153	Tue	307/00 Out	USB	(AB)
E11	5-8	1205	8274	Tue	466/00 Out	USB	(AB)
E11	5-8	1430	12984	Tue	919/00 Out	USB	(AB)
E11	5-8	1605	5231	Tue	236/00 Out	USB	(AB-POL)
E11	5-8	1645	14575	Tue	333/00 Out	USB	(AB)
E11	6-8	0645	10508	Wed	418/00 Out	USB	(AB/Lac)
E11	6-8	1045	10210	Wed	693/00 Out	USB	(AB)
E11	6-8	1205	8274	Wed	462/00 Out	USB	(AB)
E11	6-8	1610	4783	Wed	393/00 Out	USB	(AB)
E11	6-8	1715	7863	Wed	970/00 Out	USB	(AB)
E11	7-8	0720	7984	Thu	436/00 Out	USB	(AB)
E11	7-8	0745	20640	Thu	228/00 Out	USB	(AB-POL)
E11	7-8	0845	19184	Thu	152/00 Out	USB	(AB-POL)
E11	7-8	1645	14575	Thu	331/00 Out	USB	(AB)
E11	7-8	1900	7600	Thu	640/00 Out	E11	(AB)
E11	7-8	2000	5409	Thu	522/00 Out	USB	(AB)
E11	8-8	0600	9150	Fri	354/00 Out	USB	(AB)
E11	8-8	0720	7984	Fri	438/00 Out	USB	(AB)
E11	8-8	1000	12153	Fri	300/00 Out	USB	(AB)
E11	8-8	1715	7863	Fri	972/00 Out	USB	(AB)
E11	8-8	1910	9610	Fri	611/00 Out	USB	(AB)
E11	9-8	1430	12984	Sat	911/00 Out	USB	(AB)
E11	9-8	1610	4783	Sat	399/00 Out	USB	(AB/Lac)
E11	10-8	0600	9150	Sun	353/00 Out	USB	(AB)
E11	10-8	1605	5231	Sun	233/00 Out	USB	(AB)
E11	10-8	1745	14410	Sun	248/00 Out	USB	(AB)
E11	10-8	1910	9610	Sun	613/00 Out	USB	(AB)
E11	10-8	2000	5409	Sun	525/00 Out	USB	(AB)
E11	11-8	0600	21906	Mon	944/00 Out	USB	(AB-POL)
E11	11-8	0645	10508	Mon	413/00 Out	USB	(AB)
E11	11-8	0715	15915	Mon	753/00 out	USB	(AB)
E11	11-8	0745	9610	Mon	268/00 Out	USB	(AB)

E11	11-8	0830	16335	Mon	182/00 Out	USB	(AB)
E11	11-8	0845	12815	Mon	715/00 Out	USB	(AB)
E11	11-8	0900	11116	Mon	538/00 Out	USB	(AB)
E11	11-8	1045	10210	Mon	694/00 Out	USB	(AB)
E11	11-8	1300	5737	Mon	314/00 Out	USB	(AB-POL)
E11	11-8	1745	14410	Mon	245/00 Out	USB	(AB)
E11	11-8	1900	7600	Mon	647/00 Out	E11	(AB)
E11	12-8	0645	11092	Tue	515/00 Out	USB	(AB/Lac)
E11	12-8	0700	8680	Tue	573/00 Out	USB	(AB)
E11	12-8	0715	12530	Tue	631/00 Out	USB	(AB)
E11	12-8	0745	20640	Tue	229/00 Out	USB	(AB-POL/Lac)
E11	12-8	0820	17378	Tue	138/00 Out	USB	(AB-POL)
E11	12-8	1000	12153	Tue	307/00 Out	USB	(AB)
E11	12-8	1205	8274	Tue	461/00 Out	USB	(AB)
E11	12-8	1430	12984	Tue	918/00 Out	USB	(AB)
E11	12-8	1605	5231	Tue	238/00 Out	USB	(AB-POL)
E11	12-8	1645	14575	Tue	338/00 Out	USB	(AB)
E11	12-8	1645	14575	Tue	338/00 Out	USB	(AB)
E11	13-8	0645	10508	Wed	411/00 Out	USB	(AB)
E11	13-8	0715	15915	Wed	755/00 Out	USB	(AB)
E11	13-8	0745	15720	Wed	342/00 Out	USB	(AB-IRQ)
E11	13-8	0820	17378	Wed	130/00 Out	USB	(AB-POL)
E11	13-8	0845	12815	Wed	715/00 Out	USB	(AB)
E11	13-8	0900	11116	Wed	533/00 Out	USB	(AB)
E11	13-8	0930	6923	Wed	278/00 Out	USB	(AB)
E11	13-8	1045	10210	Wed	696/00 Out	USB	(AB)
E11	13-8	1205	8274	Wed	460/00 Out	USB	(AB)
E11	13-8	1610	4783	Wed	390/00 Out	USB	(AB-POL)
E11	13-8	1715	7863	Wed	970/00 Out	USB	(AB)
E11	14-8	0645	11092	Thu	512/00 Out	USB	(AB)
E11	14-8	0720	7984	Thu	436/00 Out	USB	(AB)
E11	14-8	0745	20640	Thu	225/00 Out	USB	(AB)
E11	14-8	0930	6923	Thu	275/00 Out	USB	(AB)
E11	14-8	1300	5737	Thu	314/00 Out	USB	(AB)
E11	14-8	1530	10356	Thu	262/00 Out	USB	(AB)
E11	14-8	1645	14575	Thu	337/00 Out	USB	(AB)
E11	14-8	1900	7600	Thu	644/00 Out	E11	(AB)
E11	15-8	0700	8680	Fri	571/00 Out	USB	(AB)
E11	15-8	0715	12530	Fri	637/00 Out	USB	(AB)
E11	15-8	0720	7984	Fri	435/00 Out	USB	(AB)
E11	15-8	0745	15720	Fri	348/00 Out	USB	(AB-CYP)
E11	15-8	0830	16335	Fri	182/00 Out	USB	(AB)

E11	15-8	1000	12153	Fri	302/00 Out	USB	(AB)
E11	15-8	1715	7863	Fri	972/00 Out	USB	(AB)
E11	15-8	1815	12229	Fri	921/00 Out	USB	(AB)
E11	15-8	1910	9610	Fri	613/00 Out	USB	(AB)
E11	16-8	0700	7377	Sat	497/00 Out	USB	(AB)
E11	16-8	1430	12984	Sat	910/00 Out	USB	(AB)
E11	16-8	1610	4783	Sat	390/00 Out	USB	(AB)
E11	16-8	1645	5082	Sat	367/00 Out	USB	(AB)
E11	17-8	0700	7377	Sun	498/00 Out	USB	(AB/Lac)
E11	17-8	1605	5231	Sun	232/00 Out	USB	(AB)
E11	17-8	1645	5082	Sun	369/00 Out	USB	(AB)
E11	17-8	1745	14410	Sun	244/00 Out	USB	(AB)
E11	17-8	1815	12229	Sun	927/00 Out	USB	(AB)
E11	17-8	1910	9610	Sun	612/00 Out	USB	(AB)
E11	18-8	0600	21906	Mon	941/00 Out	USB	(AB-POL/Lac)
E11	18-8	0645	10508	Mon	418/00 Out	USB	(AB/Lac)
E11	18-8	0715	15915	Mon	755/00 out	USB	(AB/Lac)
E11	18-8	0745	9610	Mon	261/00 Out	USB	(AB/Lac)
E11	18-8	0800	21906	Mon	941/00 Out	USB	(Lac)
E11	18-8	0830	16335	Mon	189/00 Out	USB	(AB/Lac)
E11	18-8	0845	12815	Mon	713/00 Out	USB	(AB/Lac)
E11	18-8	0900	11116	Mon	530/00 Out	USB	(AB/Lac)
E11	18-8	1045	10210	Mon	694/00 Out	USB	(AB)
E11	18-8	1300	5737	Mon	310/00 Out	USB	(AB-POL)
E11	19-8	0645	11092	Tue	518/00 Out	USB	(AB/Lac)
E11	19-8	0700	8680	Tue	573/00 Out	USB	(AB/Lac)
E11	19-8	0715	12530	Tue	639/00 Out	USB	(AB/Lac)
E11	19-8	0745	20640	Tue	221/00 Out	USB	(AB-POL)
E11	19-8	0845	19184	Tue	157/00 Out	USB	(AB/Lac)
E11	19-8	1000	12153	Tue	309/00 Out	USB	(AB)
E11	19-8	1605	5231	Tue	238/00 Out	USB	(AB/Lac)
E11	20-8	0600	21906	Wed	949/00 Out	USB	(AB-POL)
E11	20-8	0645	10508	Wed	410/00 Out	USB	(AB)
E11	20-8	0715	15915	Wed	757/00 Out	USB	(AB)
E11	20-8	0745	15720	Wed	342/00 Out	USB	(AB-CYP)
E11	20-8	0845	12815	Wed	710/00 Out	USB	(AB/Lac)
E11	20-8	0900	11116	Wed	538/00 Out	USB	(AB/Lac)
E11	20-8	0930	6923	Wed	271/00 Out	USB	(AB/Lac)
E11	20-8	1045	10210	Wed	691/00 Out	USB	(AB)
E11	21-8	0645	11092	Thu	515/00 Out	USB	(AB/Lac)
E11	21-8	0745	20640	Thu	227/00 Out	USB	(AB-POL/Lac)
E11	21-8	0845	19184	Thu	151/00 Out	USB	(AB-POL/Lac)

E11	21-8	0930	6923	Thu	278/00 Out	USB	(AB/Lac)
E11	21-8	1300	5737	Thu	319/00 Out	USB	(AB/Lac)
E11	21-8	1530	10356	Thu	266/00 Out	USB	(AB)
E11	21-8	1745	14410	Thu	248/00 Out	USB	(AB)
E11	21-8	2000	5409	Thu	525/00 Out	USB	(AB)
E11	22-8	0600	9150	Fri	351/00 Out	USB	(AB)
E11	22-8	0700	8680	Fri	579/00 Out	USB	(AB)
E11	22-8	0715	12530	Fri	633/00 Out	USB	(AB)
E11	22-8	0745	15720	Fri	344/00 Out	USB	(AB-CYP)
E11	22-8	0830	16335	Fri	188/00 Out	USB	(AB)
E11	22-8	1000	12153	Fri	309/00 Out	USB	(AB)
E11	22-8	1815	12229	Fri	929/00 Out	USB	(AB/Lac)
E11	22-8	1910	9610	Fri	610/00 Out	USB	(AB/Lac)
E11	23-8	0700	7377	Sat	491/00 Out	USB	(AB/Lac)
E11	23-8	1645	5082	Sat	364/00 Out	USB	(AB)
E11	24-8	0600	9150	Sun	352/00 Out	USB	(AB)
E11	24-8	0700	7377	Sun	498/00 Out	USB	(AB/Lac)
E11	24-8	1605	5231	Sun	238/00 Out	USB	(AB)
E11	24-8	1645	5082	Sun	365/00 Out	USB	(AB)
E11	24-8	1815	12229	Sun	929/00 Out	USB	(AB)
E11	24-8	1910	9610	Sun	618/00 Out	USB	(AB)
E11	24-8	2000	5409	Sun	528/00 Out	USB	(AB)
E11	25-8	0600	21906	Mon	948/00 Out	USB	(AB-POL/Lac)
E11	25-8	0715	15915	Mon	759/00 out	USB	(AB/Lac)
E11	25-8	0745	9610	Mon	268/00 Out	USB	(AB/Lac)
E11	25-8	0830	16335	Mon	183/00 Out	USB	(AB/Lac)
E11	25-8	0845	12815	Mon	719/00 Out	USB	(AB/Lac)
E11	25-8	0900	11116	Mon	532/00 Out	USB	(AB/Lac)
E11	25-8	1300	5737	Mon	311/00 Out	USB	(AB/Lac)
E11	25-8	1745	14410	Mon	244/00 Out	USB	(AB)
E11	25-8	1900	7600	Mon	641/00 Out	USB	(AB)
E11	26-8	0645	11092	Tue	511/00 Out	USB	(AB/Lac)
E11	26-8	0700	8680	Tue	570/00 Out	USB	(AB)
E11	26-8	0715	12530	Tue	637/00 Out	USB	(AB)
E11	26-8	0820	17378	Tue	134//00 Out	USB	(AB)
E11	26-8	0845	19184	Tue	157/00 Out	USB	(AB)
E11	26-8	1205	8274	Tue	465/00 Out	USB	(AB)
E11	26-8	1430	12984	Tue	914/00 Out	USB	(AB)
E11	26-8	1645	14575	Tue	332/00 Out	USB	(AB)
E11	27-8	0600	21906	Wed	940/00 Out	USB	(AB-POL)
E11	27-8	0715	15915	Wed	Active but too weak to copy	USB	(AB)
E11	27-8	0745	15720	Wed	342/00 Out	USB	(AB/Lac)

E11	27-8	0820	17378	Wed	133/00 Out	USB	(AB)
E11	27-8	0845	12815	Wed	716/00 Out	USB	(AB/Lac)
E11	27-8	0900	11116	Wed	536/00 Out	USB	(AB)
E11	27-8	0930	6923	Wed	278/00 Out	USB	(AB)
E11	27-8	1205	8274	Wed	463/00 Out	USB	(AB/Lac)
E11	27-8	1610	4783	Wed	394/00 Out	USB	(AB/Lac)
E11	27-8	1715	7863	Wed	976/00 Out	USB	(AB/Lac)
E11	28-8	0645	11092	Thu	512/00 Out	USB	(AB/Lac)
E11	28-8	0720	7984	Thu	432/00 Out	USB	(AB/Lac)
E11	28-8	0845	19184	Thu	156/00 Out	USB	(AB/Lac)
E11	28-8	0930	6923	Thu	273/00 Out	USB	(AB)
E11	28-8	1300	5737	Thu	312/00 Out	USB	(AB/Lac)
E11	28-8	1530	10356	Thu	268/00 Out	USB	(AB)
E11	28-8	1645	14575	Thu	334/00 Out	USB	(AB)
E11	28-8	1900	7600	Thu	648/00 Out	E11	(AB/Lac)
E11	28-8	2000	5409	Thu	528/00 Out	USB	(AB/Lac)
E11	29-8	0600	9150	Fri	350/00 Out	USB	(AB/Lac)
E11	29-8	0700	8680	Fri	570/00 Out	USB	(AB/Lac)
E11	29-8	0715	12530	Fri	631/00 Out	USB	(AB/Lac)
E11	29-8	0720	7984	Fri	431/00 Out	USB	(AB/Lac)
E11	29-8	0745	15720	Fri	348/00 Out	USB	(AB/Lac)
E11	29-8	0830	16335	Fri	182/00 Out	USB	(AB/Lac)
E11	29-8	1715	7863	Fri	977/00 Out	USB	(AB/Lac)
E11	29-8	1815	12229	Fri	927/00	USB	(Lac)
E11	30-8	0700	7377	Sat	495/00 Out	USB	(AB/Lac)
E11	30-8	1430	12984	Sat	911/00 Out	USB	(AB)
E11	30-8	1610	4783	Sat	391/00 Out	USB	(AB)
E11	30-8	1645	5082	Sat	364/00 Out	USB	(AB)
E11	31-8	0600	9150	Sun	355/00 Out	USB	(AB)
E11	31-8	0700	7377	Sun	495/00 Out	USB	(AB/Lac)
E11	31-8	1645	5082	Sun	365/00 Out	USB	(AB)
E11	31-8	1815	12229	Sun	922/00 Out	USB	(AB)
E11	31-8	2000	5409	Sun	524/00 Out	USB	(AB)
E11a	4-8	0600	21906	Mon	941/30 Attention 16922 71698 64914 ... 99559 42479 75219 Attention (msg rptd) Out	USB	(AB-POL)
E11a	4-8	0715	15915	Mon	757/36 Attention 39613 23569 88953 ... 04088 03478 30773 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-8	0745	9610	Mon	262/40 Attention 60079 66775 65586 ... 32573 80246 18037 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-8	0830	16335	Mon	184/30 Attention 25902 06967 26146 ... 40077 16769 63555 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-8	0845	12815	Mon	716/32 Attention 37067 98648 72901 ... 93262 06295 75019 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-8	0900	11116	Mon	537/33 Attention 90771 47042 36164 ... 62692 46704 84384 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-8	1300	5737	Mon	310/33 Attention 65434 68183 96318 ... 75555 69608 08570 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-8	0645	11092	Tue	515/39 Attention 10581 81129 44594 ... 30059 92415 90005 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-8	0700	8680	Tue	579/40 Attention 70332 59436 13604 ... 28851 54529 32087 Attention (msg rptd) Out	USB	(Subilo)

E11a	5-8	0715	12530	Tue	630/37 Attention 86911 10748 73948 ... 43251 24333 11261 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-8	0715	12530	Tue	630/37	USB	(Lac)
E11a	5-8	0715	12530	Tue	630/37	USB	(Subilo)
E11a	6-8	0600	21906	Wed	941/30 Attention 16922 71698 64914 ... 99559 42479 75219 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	6-8	0715	15915	Wed	757/36 Attention 39613 23569 88953 ... 04088 03478 30773 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	6-8	0745	15720	Wed	340/38 Attention 74184 71517 09001 ... 31730 38637 92279 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	6-8	0845	12815	Wed	716/32 Attention 37067 98648 72901 ... 93262 06295 75019 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-8	0900	11116	Wed	537/33 Attention 90771 47042 36164 ... 62692 46704 84384 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-8	0930	6923	Wed	270/34 Attention 34530 34222 99497 ... 77281 64798 27563 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-8	0645	11092	Thu	515/39 Attention 10581 81129 44594 ... 30059 92415 90005 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-8	0930	6923	Thu	270/34 Attention 34530 34222 99497 ... 77281 64798 27563 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-8	1300	5737	Thu	310/33 Attention 65434 68183 96318 ... 75555 69608 08570 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-8	1530	10356	Thu	262/40 Attention 60079 66775 65586 ... 32573 80246 18037 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-8	0700	8680	Fri	579/40 Attention 70332 59436 13604 ... 28851 54529 32087 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-8	0715	12530	Fri	630/37 Attention 86911 10748 73948 ... 43251 24333 11261 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-8	0745	15720	Fri	340/38 Attention 74184 71517 09001 ... 31730 38637 92279 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-8	0830	16335	Fri	184/30 Attention 25902 06967 26146 ... 40077 16769 63555 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-8	0830	16335	Fri	184/30 Attention 25902 06967 26146 ... 40077 16769 63555 Attention (msg rptd) Out	USB	(Subilo)
E11a	8-8	1815	12229	Fri	926/32 Attention 38145 10858 17763 ... 07167 10339 03521 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	9-8	0700	7377	Sat	496/31 Attention 02273 09008 09848 ... 14857 90617 47682 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	9-8	1645	5082	Sat	366/38 Attention 73402 29186 66150 ... 08447 46895 12865 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-8	0700	7377	Sun	496/31 Attention 02273 09008 09848 ... 14857 90617 47682 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-8	1645	5082	Sun	366/38 Attention 73402 29186 66150 ... 08447 46895 12865 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-8	1815	12229	Sun	926/32 Attention 38145 10858 17763 ... 07167 10339 03521 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-8	1815	12229	Sun	926/32 Attention 38145 10858 17763 ... 07167 10339 03521 Attention (msg rptd) Out	USB	(Subilo)
E11a	12-8	0845	19184	Tue	159/33 Attention 10051 37400 50782 ... 74204 55024 05569 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-8	0845	19184	Thu	159/33 Attention 10051 37400 50782 ... 74204 55024 05569 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-8	2000	5409	Thu	527/36 Attention 47029 02209 05227 ... 69759 28443 16284 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	15-8	0600	9150	Fri	354/36 Attention 77936 58180 73503 ... 15355 20509 88306 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-8	0600	9150	Sun	354/36 Attention 77936 58180 73503 ... 15355 20509 88306 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-8	2000	5409	Sun	527/36 Attention 47029 02209 05227 ... 69759 28443 16284 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-8	0315	18511	Mon	258/36 Attention 20294 21990 64684 ... 24214 72818 10948 Attention (msg rptd) Out	USB	(Subilo)
E11a	18-8	1745	14410	Mon	249/35 Attention 19931 74731 50191 ... 69599 03968 10655 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-8	1900	7600	Mon	649/33 Attention 23493 99797 37306 ... 90318 70014 54627 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	19-8	0820	17378	Tue	134/35 Attention 27725 86058 43557 ... 40145 05869 87308 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	19-8	1205	8274	Tue	465/31 Attention 41902 61739 38804 ... 03275 77543 11546 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	19-8	1430	12984	Tue	918/35 Attention 19323 26770 85810 ... 74172 21048 55795 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	19-8	1645	12153	Tue	337/34 Attention 05187 32956 09007 ... 21204 40177 71499 Attention (msg rptd) Out	USB	(Subilo)
E11a	20-8	0315	18511	Wed	258/36 Attention 20294 21990 64684 ... 24214 72818 10948 Attention (msg rptd) Out	USB	(Subilo)
E11a	20-8	0820	17378	Wed	134/35 Attention 27725 86058 43557 ... 40145 05869 87308 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	20-8	0820	17378	Wed	134/35 Attention 27725 86058 43557 ... 40145 05869 87308 Attention (msg rptd) Out	USB	(Subilo)
E11a	20-8	1205	8274	Wed	465/31 Attention 41902 61739 38804 ... 03275 77543 11546 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)

E11a	20-8	1610	4783	Wed	395/34 Attention 98611 70867 12923 ... 76830 16482 81597 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	20-8	1715	7863	Wed	975/39 Attention 11783 10993 31704 ... 29975 26863 75292 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	21-8	0720	7984	Thu	430/33 Attention 82741 98512 64371 ... 86964 25986 13045 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	21-8	1645	14575	Thu	337/34 Attention 05187 32956 09007 ... 21204 40177 71499 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	21-8	1900	7600	Thu	649/33 Attention 23493 99797 37306 ... 90318 70014 54627 Attention (msg rptd) Out	E11	(AB/Lac/Subilo)
E11a	22-8	0720	7984	Fri	430/33 Attention 82741 98512 64371 ... 86964 25986 13045 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-8	1715	7863	Fri	975/39 Attention 11783 10993 31704 ... 29975 26863 75292 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	23-8	1430	12984	Sat	918/35 Attention 19323 26770 85810 ... 74172 21048 55795 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-8	1610	4783	Sat	395/34 Attention 98611 70867 12923 ... 76830 16482 81597 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-8	1745	14410	Sun	249/35 Attention 19931 74731 50191 ... 69599 03968 10655 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-8	0645	10508	Mon	416/40 Attention 81567 02875 03807 ... 16040 40222 37743 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	25-8	1045	10210	Mon	691/37 Attention 32666 42157 28258 ... 44429 24878 88290 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	26-8	0745	20640	Tue	223/40 Attention 76522 28991 58322 ... 52175 95847 09289 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	26-8	1000	12153	Tue	302/25 Attention 23258 26502 84687 ... 87472 67892 55746 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	26-8	1605	5231	Tue	233/32 Attention 78000 96287 80586 ... 08569 72188 55212 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	27-8	0645	10508	Wed	416/40 Attention 81567 02875 03807 ... 16040 40222 37743 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	27-8	1045	10210	Wed	691/37 Attention 32666 42157 28258 ... 44429 24878 88290 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	28-8	0745	20640	Thu	223/40 Attention 76522 28991 58322 ... 52175 95847 09289 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	29-8	1000	12153	Fri	302/25 Attention 23258 26502 84687 ... 87472 67892 55746 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	29-8	1910	9610	Fri	612/39 Attention 28788 38734 64646 ... 39272 82464 74714 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	31-8	1605	5231	Sun	233/32 Attention 78000 96287 80586 ... 08569 72188 55212 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	31-8	1910	9610	Sun	612/39 Attention 28788 38734 64646 ... 39272 82464 74714 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a\	31-8	1645	5082	Sun	365/00	USB	(Lac)
EGY	7-8	1516	16010	Thu	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	7-8	1516	16011.7	Thu	71: MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	7-8	1525	16011.7	Thu	71: MFA Cairo long msg to RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	10-8	1319	18051.7	Sun	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	10-8	1320	18050	Sun	99903: MFA Cairo clg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	10-8	1322	18051.7	Sun	MFA Cairo wkg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
F01	1-8	1015	11076	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD-RUS)
F01	1-8	1025	9164	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD-RUS)
F01	1-8	1035	7316	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD-RUS)
F01	4-8	1015	11076	Mon	Message 99	FSK 200/500	(AB)
F01	4-8	1025	9164	Mon	Message 99	FSK 200/500	(AB)
F01	4-8	1035	7316	Mon	Message 99	FSK 200/500	(AB)
F01	5-8	1015	11076	Tue	Messages 01 and 02	FSK 200/500	(AB)
F01	5-8	1025	9164	Tue	Messages 01 and 02	FSK 200/500	(AB)
F01	5-8	1035	7316	Tue	Messages 01 and 02	FSK 200/500	(AB)
F01	6-8	1015	11076	Wed	Message 03	FSK 200/500	(AB)
F01	6-8	1025	9164	Wed	Message 03	FSK 200/500	(AB)
F01	6-8	1035	7316	Wed	Message 03	FSK 200/500	(AB)
F01	7-8	1015	11076	Thu	Messages 4 and 5	FSK 200/500	(AB)

F01	7-8	1025	9164	Thu	Messages 4 and 5	FSK 200/500	(AB)
F01	7-8	1035	7316	Thu	Messages 4 and 5	FSK 200/500	(AB)
F01	8-8	1015	11076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	8-8	1025	9164	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	8-8	1035	7316	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	11-8	1015	11076	Mon	Message 06	FSK 200/500	(AB)
F01	11-8	1025	9164	Mon	Message 06	FSK 200/500	(AB)
F01	11-8	1035	7316	Mon	Message 06	FSK 200/500	(AB)
F01	12-8	1015	11076	Tue	Messages 07 and 08	FSK 200/500	(AB)
F01	12-8	1025	9164	Tue	Messages 07 and 08	FSK 200/500	(AB)
F01	12-8	1035	7316	Tue	Messages 07 and 08	FSK 200/500	(AB)
F01	13-8	1015	11076	Wed	Probably message 09. Signal too poor to decode	FSK 200/500	(AB)
F01	13-8	1025	9164	Wed	Probably message 09. Signal too poor to decode	FSK 200/500	(AB)
F01	13-8	1035	7316	Wed	Probably message 09. Signal too poor to decode	FSK 200/500	(AB)
F01	14-8	1015	11076	Thu	Messages 10 and 11. Wrong speed and shift. Sent for 15 mins. No transmissions at 102	FSK 100/1000	(AB)
F01	15-8	1015	11076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	15-8	1025	9164	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	15-8	1035	7316	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	18-8	1015	11076	Mon	Message 12	FSK 200/500	(AB)
F01	18-8	1025	9164	Mon	Message 12	FSK 200/500	(AB)
F01	18-8	1035	7316	Mon	Message 12	FSK 200/500	(AB)
F01	19-8	1015	11076	Tue	Messages 13 and 14	FSK 200/500	(AB)
F01	19-8	1025	9164	Tue	Messages 13 and 14	FSK 200/500	(AB)
F01	19-8	1035	7316	Tue	Messages 13 and 14	FSK 200/500	(AB)
F01	20-8	1015	11076	Wed	Probably message 15. Signal too poor to decode	FSK 200/500	(AB)
F01	20-8	1015	11076	Wed	Probably message 15. Signal too poor to decode	FSK 200/500	(AB)
F01	20-8	1025	9164	Wed	Probably message 15. Signal too poor to decode	FSK 200/500	(AB)
F01	20-8	1025	9164	Wed	Probably message 15. Signal too poor to decode	FSK 200/500	(AB)
F01	20-8	1035	7316	Wed	Probably message 15. Signal too poor to decode	FSK 200/500	(AB)
F01	20-8	1035	7316	Wed	Probably message 15. Signal too poor to decode	FSK 200/500	(AB)
F01	21-8	1015	11076	Thu	Messages 16 and 17	FSK 200/500	(AB)
F01	21-8	1025	9164	Thu	Messages 16 and 17	FSK 200/500	(AB)
F01	21-8	1035	7316	Thu	Messages 16 and 17	FSK 200/500	(AB)
F01	22-8	1015	11076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	22-8	1025	9164	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	22-8	1035	7316	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	25-8	1015	11076	Mon	Message 18	FSK 200/500	(AB)
F01	25-8	1025	9164	Mon	Message 18	FSK 200/500	(AB)
F01	25-8	1035	7316	Mon	Message 18	FSK 200/500	(AB)
F01	26-8	1015	11076	Tue	Messages 19 and 20	FSK 200/500	(AB)
F01	26-8	1025	9164	Tue	Messages 19 and 20	FSK 200/500	(AB)
F01	26-8	1035	7316	Tue	Messages 19 and 20	FSK 200/500	(AB)

F01	28-8	1015	11076	Thu	No transmission	FSK 200/500	(AB)
F01	28-8	1025	9164	Thu	No transmission	FSK 200/500	(AB)
F01	28-8	1035	7316	Thu	No transmission	FSK 200/500	(AB)
F01	29-8	1015	11076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	29-8	1025	9164	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	29-8	1035	7316	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F02	12-8	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	12-8	0810	13883	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	19-8	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	19-8	0810	13883	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-8	1653	14434	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	1-8	0810	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0815	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0850	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0855	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0530	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0530	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0535	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0535	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0810	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	0815	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0810	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0815	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0830	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	6-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0615	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0620	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0830	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0810	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0815	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0850	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0855	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0530	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0535	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0615	16335	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0620	16335	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0810	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0815	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0615	12153	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0620	12153	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0810	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12-8	0815	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0830	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0430	20994	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-8	0435	20994	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-8	0530	16530	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0535	16530	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0615	16335	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0620	16335	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0615	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0620	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0830	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0810	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0815	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0850	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0855	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0530	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0535	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0615	16335	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0620	16335	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	18-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0810	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0815	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0615	12153	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0620	12153	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0810	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0815	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0830	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0530	16530	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0535	16530	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0615	16335	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0620	16335	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0615	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0620	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-8	0830	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-8	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	21-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0810	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0815	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0850	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0855	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0530	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0535	16530	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0615	16335	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0620	16335	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0810	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0815	18773	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-8	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0615	12153	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0620	12153	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0810	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0815	12385	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0830	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-8	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0530	16530	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0535	16530	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0615	16335	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0620	16335	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	27-8	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-8	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0615	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0620	12153	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0830	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-8	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-8	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-8	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0810	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0815	18773	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0850	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0855	12385	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-8	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	4-8	0950	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4-8	0955	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-8	0950	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-8	0955	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-8	0700	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-8	0705	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8-8	0700	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8-8	0705	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	11-8	0950	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	11-8	0955	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-8	0950	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-8	0955	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-8	0700	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-8	0705	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-8	0700	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-8	0705	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-8	0950	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-8	0955	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-8	0950	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-8	0955	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-8	0700	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-8	0705	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-8	0700	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-8	0705	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-8	0950	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-8	0955	10200	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-8	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	25-8	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-8	1100	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-8	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-8	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-8	0950	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-8	0955	10200	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-8	1100	7984	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-8	0700	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-8	0705	8456	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-8	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-8	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-8	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-8	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-8	0700	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-8	0705	8456	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-8	0700	11076	Fri	11166 70202 18749 01031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-8	0710	9053	Fri	11166 70202 18749 01031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-8	0720	7386	Fri	11166 70202 18749 01031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-8	1530	22913	Sun	11166 10053 59481 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NOR)
F06	3-8	1540	18241	Sun	11166 10053 59481 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	3-8	1550	17455	Sun	11166 10053 59481 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	4-8	0400	10263	Mon	11166 70059 95184 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-8	0410	8126	Mon	11166 70059 95184 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-8	0420	6888	Mon	11166 70059 95184 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-8	0800	9362	Mon	11100 00000 35287 01002 00939	FSK 200/1000	(AB)
F06	4-8	0810	7984	Mon	11100 00000 35287 01002 00939	FSK 200/1000	(AB)
F06	4-8	0820	6802	Mon	11100 00000 35287 01002 00939	FSK 200/1000	(AB)
F06	5-8	0030	12208	Tue	11166 60070 74523 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-8	0040	10166	Tue	11166 60070 74523 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-8	0050	9237	Tue	11166 60070 74523 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-8	0700	11076	Tue	11166 70202 68214 04005 01859 and 11166 70202 85147 04006 01639	FSK 200/1000	(AB)
F06	5-8	0710	9053	Tue	11166 70202 68214 04005 01859 and 11166 70202 85147 04006 01639	FSK 200/1000	(AB)
F06	5-8	0720	7386	Tue	11166 70202 68214 04005 01859 and 11166 70202 85147 04006 01639	FSK 200/1000	(AB)
F06	5-8	0800	9362	Tue	11100 00000 35287 01002 00939	FSK 200/1000	(AB)
F06	5-8	0810	7984	Tue	11100 00000 35287 01002 00939	FSK 200/1000	(AB)
F06	5-8	0820	6802	Tue	11100 00000 35287 01002 00939	FSK 200/1000	(AB)
F06	5-8	1200	10394	Tue	11166 70202 68214 04005 01859 and 11166 70202 85147 04006 01639	FSK 200/1000	(AB)
F06	5-8	1210	8076	Tue	11166 70202 68214 04005 01859 and 11166 70202 85147 04006 01639	FSK 200/1000	(AB)
F06	5-8	1220	6768	Tue	11166 70202 68214 04005 01859 and 11166 70202 85147 04006 01639	FSK 200/1000	(AB)
F06	5-8	1650	20917	Tue	11166 10053 95371 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	5-8	1700	17529	Tue	11166 10053 95371 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-8	1710	15765	Tue	11166 10053 95371 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-8	0700	11076	Thu	11166 70202 36520 06008 01579 and 11166 70202 42587 06009 02139	FSK 200/1000	(AB)
F06	7-8	0710	9053	Thu	11166 70202 36520 06008 01579 and 11166 70202 42587 06009 02139	FSK 200/1000	(AB)
F06	7-8	0720	7386	Thu	11166 70202 36520 06008 01579 and 11166 70202 42587 06009 02139	FSK 200/1000	(AB)
F06	7-8	1200	10394	Thu	11166 70202 36520 06008 01579 and 11166 70202 42587 06009 02139	FSK 200/1000	(AB)
F06	7-8	1210	8076	Thu	11166 70202 36520 06008 01579 and 11166 70202 42587 06009 02139	FSK 200/1000	(AB)
F06	7-8	1220	6768	Thu	11166 70202 36520 06008 01579 and 11166 70202 42587 06009 02139	FSK 200/1000	(AB)
F06	7-8	1330	17439	Thu	11166 80214 35126 07024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-8	1340	13387	Thu	11166 80214 35126 07024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-8	1350	11145	Thu	11166 80214 35126 07024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-8	0700	11076	Fri	11166 70202 25694 10258 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	8-8	0710	9053	Fri	11166 70202 25694 10258 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	8-8	0720	7386	Fri	11166 70202 25694 10258 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	10-8	1530	22913	Sun	11166 10053 74523 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NOR)
F06	10-8	1540	18241	Sun	11166 10053 74523 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	10-8	1550	17455	Sun	11166 10053 74523 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-8	0800	9362	Mon	11100 00000 36479 08003 01259	FSK 200/1000	(AB-HNG)
F06	11-8	0810	7984	Mon	11100 00000 36479 08003 01259	FSK 200/1000	(AB-HNG)
F06	11-8	0820	6802	Mon	11100 00000 36479 08003 01259	FSK 200/1000	(AB-HNG)
F06	12-8	0700	11076	Tue	11166 70202 24951 11011 01659 and 11166 70202 37951 11012 02039	FSK 200/1000	(AB)
F06	12-8	0710	9053	Tue	11166 70202 24951 11011 01659 and 11166 70202 37951 11012 02039	FSK 200/1000	(AB)
F06	12-8	0720	7386	Tue	11166 70202 24951 11011 01659 and 11166 70202 37951 11012 02039	FSK 200/1000	(AB)
F06	12-8	0800	9362	Tue	11100 00000 36479 08003 01259	FSK 200/1000	(AB)
F06	12-8	0810	7984	Tue	11100 00000 36479 08003 01259	FSK 200/1000	(AB)
F06	12-8	0820	6802	Tue	11100 00000 36479 08003 01259	FSK 200/1000	(AB)
F06	12-8	1200	10394	Tue	11166 70202 24951 11011 01659 and 11166 70202 37951 11012 02039	FSK 200/1000	(AB)
F06	12-8	1210	8076	Tue	11166 70202 24951 11011 01659 and 11166 70202 37951 11012 02039	FSK 200/1000	(AB)
F06	12-8	1220	6768	Tue	11166 70202 24951 11011 01659 and 11166 70202 37951 11012 02039	FSK 200/1000	(AB)
F06	12-8	1650	20917	Tue	11166 10053 15963 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-8	1700	17529	Tue	11166 10053 15963 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-8	1710	15765	Tue	11166 10053 15963 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-8	0700	11076	Thu	11166 70202 75142 13014 02239 and 11166 70202 67124 13015 01559	FSK 200/1000	(AB)
F06	14-8	0710	9053	Thu	11166 70202 75142 13014 02239 and 11166 70202 67124 13015 01559	FSK 200/1000	(AB)
F06	14-8	0720	7386	Thu	11166 70202 75142 13014 02239 and 11166 70202 67124 13015 01559	FSK 200/1000	(AB)
F06	14-8	1200	10394	Thu	11166 70202 75142 13014 02239 and 11166 70202 67124 13015 01559	FSK 200/1000	(AB)
F06	14-8	1210	8076	Thu	11166 70202 75142 13014 02239 and 11166 70202 67124 13015 01559	FSK 200/1000	(AB)
F06	14-8	1220	6768	Thu	11166 70202 75142 13014 02239 and 11166 70202 67124 13015 01559	FSK 200/1000	(AB)
F06	14-8	1330	17439	Thu	11166 80214 25698 14057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-8	1340	13387	Thu	11166 80214 25698 14057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-8	1350	11145	Thu	11166 80214 25698 14057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-8	0700	11076	Fri	11166 70202 48561 15056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	15-8	0710	9053	Fri	11166 70202 48561 15056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-8	0720	7386	Fri	11166 70202 48561 15056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-8	1530	22913	Sun	11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NOR)
F06	17-8	1540	18241	Sun	11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	17-8	1550	17455	Sun	11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-8	0400	10263	Mon	11166 70059 13597 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-8	0410	8126	Mon	11166 70059 13597 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-8	0420	6888	Mon	11166 70059 13597 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-8	0800	9362	Mon	11100 00000 51479 15004 01559	FSK 200/1000	(AB-HNG)
F06	18-8	0810	7984	Mon	11100 00000 51479 15004 01559	FSK 200/1000	(AB-HNG)
F06	18-8	0820	6802	Mon	11100 00000 51479 15004 01559	FSK 200/1000	(AB-HNG)
F06	19-8	0030	12208	Tue	11166 60070 95184 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-8	0040	10166	Tue	11166 60070 95184 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-8	0050	9237	Tue	11166 60070 95184 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-8	0700	11076	Tue	11166 70202 36925 18017 02299 and 11166 70202 04583 18018 01259	FSK 200/1000	(AB)
F06	19-8	0710	9053	Tue	11166 70202 36925 18017 02299 and 11166 70202 04583 18018 01259	FSK 200/1000	(AB)
F06	19-8	0720	7386	Tue	11166 70202 36925 18017 02299 and 11166 70202 04583 18018 01259	FSK 200/1000	(AB)
F06	19-8	0800	9362	Tue	11100 00000 51479 15004 01559	FSK 200/1000	(AB-HNG)
F06	19-8	0810	7984	Tue	11100 00000 51479 15004 01559	FSK 200/1000	(AB-HNG)
F06	19-8	0820	6802	Tue	11100 00000 51479 15004 01559	FSK 200/1000	(AB-HNG)
F06	19-8	1200	10394	Tue	11166 70202 36925 18017 02299 and 11166 70202 04583 18018 01259	FSK 200/1000	(AB)
F06	19-8	1210	8076	Tue	11166 70202 36925 18017 02299 and 11166 70202 04583 18018 01259	FSK 200/1000	(AB)
F06	19-8	1220	6768	Tue	11166 70202 36925 18017 02299 and 11166 70202 04583 18018 01259	FSK 200/1000	(AB)
F06	19-8	1650	20917	Tue	11166 10053 48526 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRQ)
F06	19-8	1700	17529	Tue	11166 10053 48526 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-8	1710	15765	Tue	11166 10053 48526 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-8	0700	11076	Thu	11166 70202 24685 20020 01999 and 11166 70202 34975 20021 01099	FSK 200/1000	(AB)
F06	21-8	0710	9053	Thu	11166 70202 24685 20020 01999 and 11166 70202 34975 20021 01099	FSK 200/1000	(AB)
F06	21-8	0720	7386	Thu	11166 70202 24685 20020 01999 and 11166 70202 34975 20021 01099	FSK 200/1000	(AB)
F06	21-8	1200	10394	Thu	11166 70202 24685 20020 01999 and 11166 70202 34975 20021 01099	FSK 200/1000	(AB)
F06	21-8	1210	8076	Thu	11166 70202 24685 20020 01999 and 11166 70202 34975 20021 01099	FSK 200/1000	(AB)
F06	21-8	1220	6768	Thu	11166 70202 24685 20020 01999 and 11166 70202 34975 20021 01099	FSK 200/1000	(AB)
F06	21-8	1330	17439	Thu	11166 80214 45678 21025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-8	1340	13387	Thu	11166 80214 45678 21025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-8	1350	11145	Thu	11166 80214 45678 21025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-8	0700	11076	Fri	11166 70202 19746 22015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-8	0710	9053	Fri	11166 70202 19746 22015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-8	0720	7386	Fri	11166 70202 19746 22015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-8	1530	22913	Sun	11166 10053 95184 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-NOR)
F06	24-8	1540	18241	Sun	11166 10053 95184 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-8	1550	17455	Sun	11166 10053 95184 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-8	0100	17532	Mon	11100 09501 00000 25061 02579	FSK 200/1000	(Ringo)

F06	25-8	0800	9362	Mon	11100 00000 87469 22005 01279	FSK 200/1000	(AB-HNG)
F06	25-8	0810	7984	Mon	11100 00000 87469 22005 01279	FSK 200/1000	(AB-HNG)
F06	25-8	0820	6802	Mon	11100 00000 87469 22005 01279	FSK 200/1000	(AB-HNG)
F06	26-8	0030	12208	Tue	11166 60070 52369 26001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	26-8	0040	10166	Tue	11166 60070 52369 26001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	26-8	0050	9237	Tue	11166 60070 52369 26001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	26-8	0700	11076	Tue	11166 70202 25473 25024 02679 and 11166 70202 25836 25025 01239	FSK 200/1000	(AB)
F06	26-8	0710	9053	Tue	11166 70202 25473 25024 02679 and 11166 70202 25836 25025 01239	FSK 200/1000	(AB)
F06	26-8	0720	7386	Tue	11166 70202 25473 25024 02679 and 11166 70202 25836 25025 01239	FSK 200/1000	(AB)
F06	26-8	0800	9362	Tue	11100 00000 87469 22005 01279	FSK 200/1000	(AB-HNG)
F06	26-8	0810	7984	Tue	11100 00000 87469 22005 01279	FSK 200/1000	(AB-HNG)
F06	26-8	0820	6802	Tue	11100 00000 87469 22005 01279	FSK 200/1000	(AB-HNG)
F06	26-8	1200	10394	Tue	11166 70202 25473 25024 02679 and 11166 70202 25836 25025 01239	FSK 200/1000	(AB)
F06	26-8	1210	8076	Tue	11166 70202 25473 25024 02679 and 11166 70202 25836 25025 01239	FSK 200/1000	(AB)
F06	26-8	1220	6768	Tue	11166 70202 25473 25024 02679 and 11166 70202 25836 25025 01239	FSK 200/1000	(AB)
F06	26-8	1650	20917	Tue	11166 10053 13579 26001 00049 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	26-8	1700	17529	Tue	11166 10053 13579 26001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	26-8	1710	15765	Tue	11166 10053 13579 26001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	28-8	0700	11076	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	0710	9053	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	0720	7386	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	1200	10394	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	1210	8076	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	1220	6768	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	1330	17439	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	1340	13387	Thu	No transmission	FSK 200/1000	(AB)
F06	28-8	1350	11145	Thu	No transmission	FSK 200/1000	(AB)
F06	31-8	1530	22913	Sun	11166 10053 74523 31001 00049 00000 00000 00000	FSK 200/1000	(AB-NOR)
F06	31-8	1540	18241	Sun	11166 10053 74523 31001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	31-8	1550	17455	Sun	11166 10053 74523 31001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06a	2-8	0300	7956	Sat	File 44927 (binary contents)	FSK 200/1000	(AB)
F06a	2-8	0315	10204	Sat	File 44927 (binary contents)	FSK 200/1000	(AB)
F06a	2-8	0330	11167	Sat	File 44927 (binary contents)	FSK 200/1000	(AB)
F06a	2-8	1615	22891	Sat	File 44927 (binary contents)	FSK 200/1000	(Priyom)
F06a	2-8	1630	20690	Sat	File 44927 (binary contents)	FSK 200/1000	(Priyom)
F06a	4-8	0700	11076	Mon	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	4-8	0715	9053	Mon	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	4-8	0730	7386	Mon	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	4-8	1200	10394	Mon	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	4-8	1215	8076	Mon	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	4-8	1230	6768	Mon	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	0600	13469	Wed	File 34454 (binary contents)	FSK 200/1000	(AB)

F06a	6-8	0615	16223	Wed	File 34454 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	0630	17419	Wed	File 34454 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	0700	11076	Wed	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	0715	9053	Wed	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	0730	7386	Wed	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	1200	10394	Wed	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	1215	8076	Wed	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-8	1230	6768	Wed	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	7-8	0600	13469	Thu	File 34454 (binary contents)	FSK 200/1000	(AB)
F06a	7-8	0615	16223	Thu	File 34454 (binary contents)	FSK 200/1000	(AB)
F06a	7-8	0630	17419	Thu	File 34454 (binary contents)	FSK 200/1000	(AB)
F06a	9-8	0300	7956	Sat	File 43428 (binary contents)	FSK 200/1000	(AB)
F06a	9-8	0315	10204	Sat	File 43428 (binary contents)	FSK 200/1000	(AB)
F06a	9-8	0330	11167	Sat	File 43428 (binary contents)	FSK 200/1000	(AB)
F06a	9-8	1600	25043	Sat	File 43428 (binary contents)	FSK 200/1000	(AB-S)
F06a	9-8	1615	22891	Sat	File 43428 (binary contents)	FSK 200/1000	(AB-S)
F06a	9-8	1630	20690	Sat	File 43428 (binary contents)	FSK 200/1000	(AB-S)
F06a	11-8	0700	11076	Mon	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	11-8	0715	9053	Mon	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	11-8	0730	7386	Mon	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	11-8	1200	10394	Mon	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	11-8	1215	8076	Mon	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	11-8	1230	6768	Mon	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	0600	13469	Wed	File 44255 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	0615	16223	Wed	File 44255 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	0630	17419	Wed	File 44255 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	0700	11076	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	0715	9053	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	0730	7386	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	1200	10394	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	1215	8076	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-8	1230	6768	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	14-8	0600	13469	Thu	File 44255 (binary contents)	FSK 200/1000	(AB)
F06a	14-8	0615	16223	Thu	File 44255 (binary contents)	FSK 200/1000	(AB)
F06a	14-8	0630	17419	Thu	File 44255 (binary contents)	FSK 200/1000	(AB)
F06a	16-8	0300	7956	Sat	File 74429 (binary contents)	FSK 200/1000	(AB)
F06a	16-8	0315	10204	Sat	File 74429 (binary contents)	FSK 200/1000	(AB)
F06a	16-8	0330	11167	Sat	File 74429 (binary contents)	FSK 200/1000	(AB)
F06a	16-8	1600	25043	Sat	File 74429 (binary contents)	FSK 200/1000	(AB-S)
F06a	16-8	1615	22891	Sat	File 74429 (binary contents)	FSK 200/1000	(AB)
F06a	16-8	1630	20690	Sat	File 74429 (binary contents)	FSK 200/1000	(AB)
F06a	18-8	0700	11076	Mon	File 44416 (binary contents)	FSK 200/1000	(AB)

F06a	18-8	0715	9053	Mon	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-8	0730	7386	Mon	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-8	1200	10394	Mon	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-8	1215	8076	Mon	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-8	1230	6768	Mon	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	0600	13469	Wed	File 41456 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	0615	16223	Wed	File 41456 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	0630	17419	Wed	File 41456 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	0700	11076	Wed	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	0715	9053	Wed	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	0730	7386	Wed	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	1200	10394	Wed	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	1215	8076	Wed	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-8	1230	6768	Wed	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	21-8	0600	13469	Thu	File 41456 (binary contents)	FSK 200/1000	(AB)
F06a	21-8	0615	16223	Thu	File 41456 (binary contents)	FSK 200/1000	(AB)
F06a	21-8	0630	17419	Thu	File 41456 (binary contents)	FSK 200/1000	(AB)
F06a	23-8	0300	7956	Sat	File 44230 (binary contents)	FSK 200/1000	(AB)
F06a	23-8	0315	10204	Sat	File 44230 (binary contents)	FSK 200/1000	(AB)
F06a	23-8	0330	11167	Sat	File 44230 (binary contents)	FSK 200/1000	(AB)
F06a	23-8	1600	25043	Sat	File 44230 (binary contents)	FSK 200/1000	(AB-S)
F06a	23-8	1615	22891	Sat	File 44230 (binary contents)	FSK 200/1000	(AB)
F06a	23-8	1630	20690	Sat	File 44230 (binary contents)	FSK 200/1000	(AB)
F06a	25-8	0700	11076	Mon	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	25-8	0715	9053	Mon	File 44423 (binary contents)	FSK 200/1000	(AB/TJ)
F06a	25-8	0730	7386	Mon	File 44423 (binary contents)	FSK 200/1000	(AB/TJ)
F06a	25-8	1200	10394	Mon	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	25-8	1215	8076	Mon	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	25-8	1230	6768	Mon	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	0600	13469	Wed	File 54457 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	0615	16223	Wed	File 54457 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	0630	17419	Wed	File 54457 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	0700	11076	Wed	File 44456 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	0715	9053	Wed	File 44426 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	0730	7386	Wed	File 44426 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	1200	10394	Wed	File 44426 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	1215	8076	Wed	File 44426 (binary contents)	FSK 200/1000	(AB)
F06a	27-8	1230	6768	Wed	File 44426 (binary contents)	FSK 200/1000	(AB)
F06a	28-8	0600	13469	Thu	File 54457 (binary contents)	FSK 200/1000	(AB)
F06a	28-8	0615	16223	Thu	File 54457 (binary contents)	FSK 200/1000	(AB)
F06a	28-8	0630	17419	Thu	File 54457 (binary contents)	FSK 200/1000	(AB)
F06a	29-8	0700	11076	Fri	File 44427 (binary contents)	FSK 200/1000	(AB)

F06a	29-8	0715	9053	Fri	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	29-8	0730	7386	Fri	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	29-8	1200	10394	Fri	No transmission	FSK 200/1000	(AB)
F06a	29-8	1215	8076	Fri	No transmission	FSK 200/1000	(AB)
F06a	29-8	1230	6768	Fri	No transmission	FSK 200/1000	(AB)
F06a	29-8	1900	15763	Fri	File 40445 (binary contents)	FSK 200/1000	(AB)
F06a	29-8	1915	14513	Fri	File 40445 (binary contents)	FSK 200/1000	(AB)
F06a	29-8	1930	13531	Fri	File 40445 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	0300	7956	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	0315	10204	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	0330	11167	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	0600	12131	Sat	File 40445 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	0615	11092	Sat	File 40445 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	0630	10208	Sat	File 40445 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	1600	25043	Sat	File 44423 (binary contents)	FSK 200/1000	(AB-S)
F06a	30-8	1615	22891	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F06a	30-8	1630	20690	Sat	File 44423 (binary contents)	FSK 200/1000	(AB)
F07	5-8	2000	16263	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-8	2010	15852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-8	2020	14968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-8	2030	14417	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-8	2040	13478	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-8	2050	12143	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-8	2000	16263	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-8	2010	15852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-8	2020	14968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-8	2030	14417	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-8	2040	13478	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-8	2050	12143	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-8	2000	16263	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-8	2010	15852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-8	2020	14968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-8	2030	14417	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-8	2040	13478	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-8	2050	12143	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-8	2000	16263	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-8	2010	15852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-8	2020	14968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-8	2030	14417	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-8	2040	13478	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	14-8	2050	12143	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-8	2000	16263	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	19-8	2010	15852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-8	2020	14968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-8	2030	14417	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-8	2040	13478	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-8	2050	12143	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-8	2000	16263	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-8	2010	15852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-8	2020	14968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-8	2030	14417	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-8	2040	13478	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	21-8	2050	12143	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	23-8	1700	14396	Sat	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	23-8	1710	13432	Sat	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	23-8	1720	12141	Sat	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	23-8	1800	14396	Sat	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	23-8	1810	13432	Sat	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	23-8	1820	12141	Sat	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/PY)
F07	26-8	2000	16263	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-8	2010	15852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-8	2020	14968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-8	2030	14417	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-8	2040	13478	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-8	2050	12143	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-8	2000	16263	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-8	2010	15852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-8	2020	14968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-8	2030	14417	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-8	2040	13478	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	28-8	2050	12143	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	1-8	0700	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	1-8	0714	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	1-8	0728	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	5-8	0710	12666	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	5-8	0730	14300	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	5-8	1328	14300	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	7-8	0706	14800	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 1200/1200 LSB	(AB)
KRE	7-8	0717	14100	Thu	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	7-8	0728	14300	Thu	DPRK embassy Mosvow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	7-8	0740	12800	Thu	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	7-8	0805	15500	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	7-8	1436	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	7-8	1458	14100	Thu	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)

KRE	8-8	0704	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-8	0700	16252	Mon	Russian embassy Moscow wkg Russian Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
M01	2-8	1500	6435	Sat	025 389 389 30 30 = = too weak to copy) = = 389 398 30 30 000	CW	(AB-S)
M01	5-8	2000	4903	Tue	025 721 721 30 30 = = 43517 79154 22091 ... 51421 76152 11527 = = 721 721 30 30 000	CW	(AB)
M01	7-8	1800	5280	Thu	025 054 054 30 30 = = 23485 54586 86581 ... 75485 76857 76857 = = 054 054 30 30 000	CW	(AB-FIN)
M01	7-8	1959	4903	Thu	025 message	CW	(AB)
M01	9-8	1458	6435	Sat	025 303 303 30 30 = = 74932 49120 56883 ... 87631 89090 43751 = = 303 303 30 30 000	CW	(AB-S)
M01	12-8	1800	5280	Tue	025 692 692 30 30 = = 28695 28960 73920 ... 38291 = = 692 692 30 30 000 (only 28 gro	CW	(AB-POL)
M01	12-8	2000	4903	Tue	025 537 537 30 30 = = 74803 85038 13683 ... 84909 46399 36274 = = 537 537 30 30 000	CW	(AB)
M01	14-8	1800	5280	Thu	025 723 723 30 30 = = (too weak to copy)	CW	(AB-FIN)
M01	14-8	2000	4905	Thu	025 538 538 30 30 0 = = 64738 27493 81165 ... 03521 24386 13246 = = 538 538 000. No	CW	(AB)
M01	17-8	0700	6780	Sun	Active but too weak to copy	CW	(AB)
M01	19-8	1800	5280	Tue	025 (too weak to copy)	CW	(AB-S)
M01	19-8	2000	4905	Tue	025 798 798 30 30 = = 64788 14323 59800 ... 47658 35433 77891 48790 = = 798 798 30 3	CW	(AB)
M01	23-8	1459	6435	Sat	025 224 224 30 30 = = 99806 24321 45786 ... 09908 47658 49800 = = 224 224 30 30 000	CW	(AB-S)
M01	26-8	1800	5280	Tue	025 710 710 30 30 = = 00583 17050 39201 ... 11978 00564 98079 = = 710 710 30 30 000	CW	(AB-S)
M01	26-8	2000	4903	Tue	025 535 535 30 30 = = 56540 71895 00564 ... 00463 05133 06050 = = 535 535 30 30 000	CW	(AB/Ringo)
M01	30-8	1500	6435	Sat	025 455 455 30 30 = = 54857 75485 76585 ... 76854 76857 76845 = = 455 455 30 30 000	CW	(AB-S)
M12	1-8	0800	13457	Fri	419 419 419 000	CW	(HFD)
M12	1-8	0820	12161	Fri	419 419 419 000	CW	(HFD)
M12	1-8	1900	15931	Fri	985 985 985 000	CW	(AB/HFD)
M12	1-8	1920	14831	Fri	985 985 985 000	CW	(AB/HFD)
M12	1-8	2100	12189	Fri	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB/HFD)
M12	1-8	2120	13475	Fri	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB/HFD)
M12	1-8	2140	14643	Fri	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB/HFD)
M12	2-8	1900	12162	Sat	546 546 546 1 7534 58 7534 58 97521 83397 12575 ... 87281 10067 07277 000 000	CW	(AB)
M12	2-8	1920	11566	Sat	546 546 546 1 7534 58 7534 58 97521 83397 12575 ... 87281 10067 07277 000 000	CW	(AB)
M12	2-8	1940	10711	Sat	546 546 546 1 7534 58 7534 58 97521 83397 12575 ... 87281 10067 07277 000 000	CW	(AB)
M12	2-8	2100	12189	Sat	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	2-8	2120	13475	Sat	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	2-8	2140	14643	Sat	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	4-8	0800	13457	Mon	419 419 419 000	CW	(AB-KOR)
M12	4-8	0820	12161	Mon	419 419 419 000	CW	(AB-KOR)
M12	4-8	1230	13386	Mon	725 725 725 1 2679 144 2679 144 14811 04357 96498 ... 02654 95779 08743 000 000	CW	(AB)
M12	4-8	1250	12189	Mon	725 725 725 1 2679 144 2679 144 14811 04357 96498 ... 02654 95779 08743 000 000	CW	(AB)
M12	4-8	1310	11491	Mon	725 725 725 1 2679 144 2679 144 14811 04357 96498 ... 02654 95779 08743 000 000	CW	(AB)
M12	4-8	2000	12148	Mon	374 374 374 1 9987 209 9987 209 30653 76821 02048 ... 98395 28685 76056 000 000	CW	(AB/HFD)
M12	4-8	2020	10648	Mon	374 374 374 1 9987 209 9987 209 30653 76821 02048 ... 98395 28685 76056 000 000	CW	(AB/HFD)
M12	4-8	2040	9148	Mon	374 374 374 1 9987 209 9987 209 30653 76821 02048 ... 98395 28685 76056 000 000	CW	(AB/HFD)
M12	5-8	1100	11519	Tue	289 289 289 1 4578 58 4578 58 58152 36513 83791 ... 64461 83030 94844 000 000	CW	(AB)
M12	5-8	1120	12194	Tue	289 289 289 1 4578 58 4578 58 58152 36513 83791 ... 64461 83030 94844 000 000	CW	(AB)
M12	5-8	1140	13407	Tue	289 289 289 1 4578 58 4578 58 58152 36513 83791 ... 64461 83030 94844 000 000	CW	(AB)

M12	6-8	1900	12162	Wed	546 546 546 1 2584 56 2584 56 74338 83020 13057 ... 44017 99638 40281 000 000	CW	(AB)
M12	6-8	1900	15931	Wed	985 985 985 1 2701 118 2701 118 92933 35132 70399 ... 74497 85493 46137 000 000	CW	(AB)
M12	6-8	1920	11566	Wed	546 546 546 1 2584 56 2584 56 74338 83020 13057 ... 44017 99638 40281 000 000	CW	(AB)
M12	6-8	1920	14831	Wed	985 985 985 1 2701 118 2701 118 92933 35132 70399 ... 74497 85493 46137 000 000	CW	(AB)
M12	6-8	1940	10711	Wed	546 546 546 1 2584 56 2584 56 74338 83020 13057 ... 44017 99638 40281 000 000	CW	(AB)
M12	6-8	1940	13531	Wed	985 985 985 1 2701 118 2701 118 92933 35132 70399 ... 74497 85493 46137 000 000	CW	(AB)
M12	6-8	2310	14408	Wed	442 442 442 1 ...	CW	(HFD)
M12	6-8	2330	13408	Wed	442 442 442 1 ...	CW	(HFD)
M12	6-8	2350	12208	Wed	442 442 442 1 ...	CW	(HFD)
M12	7-8	0300	14976	Thu	984 984 984 1 ...	CW	(HFD)
M12	7-8	0320	13876	Thu	984 984 984 1 ...	CW	(HFD)
M12	7-8	0340	13476	Thu	984 984 984 1 ...	CW	(HFD)
M12	7-8	0400	9176	Thu	257 257 257 1 3818 147 3818 147 62236 16206 65406 ... 39984 88347 61793 000 000	CW	(AB)
M12	7-8	0420	7931	Thu	257 257 257 1 3818 147 3818 147 62236 16206 65406 ... 39984 88347 61793 000 000	CW	(AB)
M12	7-8	0440	6904	Thu	257 257 257 1 3818 147 3818 147 62236 16206 65406 ... 39984 88347 61793 000 000	CW	(AB)
M12	7-8	1800	11435	Thu	938 938 938 1 7969 77 7969 77 15658 87048 12594 ... 35126 30029 86352 000 000	CW	(AB)
M12	7-8	1820	10598	Thu	938 938 938 1 7969 77 7969 77 15658 87048 12594 ... 35126 30029 86352 000 000	CW	(AB)
M12	7-8	1840	9327	Thu	938 938 938 1 7969 77 7969 77 15658 87048 12594 ... 35126 30029 86352 000 000	CW	(AB)
M12	7-8	2000	12148	Thu	374 374 374 1 9987 209 9987 209 30653 76821 02048 ... 98395 28685 76056 000 000	CW	(AB)
M12	7-8	2020	10648	Thu	374 374 374 1 9987 209 9987 209 30653 76821 02048 ... 98395 28685 76056 000 000	CW	(AB)
M12	7-8	2040	9148	Thu	374 374 374 1 9987 209 9987 209 30653 76821 02048 ... 98395 28685 76056 000 000	CW	(AB)
M12	8-8	0800	13457	Fri	419 419 419 000	CW	(AB-KOR)
M12	8-8	0820	12161	Fri	419 419 419 000	CW	(AB-KOR)
M12	8-8	1900	15931	Fri	985 985 985 1 2701 118 2701 118 92933 35132 70399 ... 74497 85493 46137 000 000	CW	(AB)
M12	8-8	1920	14831	Fri	985 985 985 1 2701 118 2701 118 92933 35132 70399 ... 74497 85493 46137 000 000	CW	(AB)
M12	8-8	1940	13531	Fri	985 985 985 1 2701 118 2701 118 92933 35132 70399 ... 74497 85493 46137 000 000	CW	(AB)
M12	8-8	2100	12189	Fri	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	8-8	2120	13475	Fri	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	8-8	2140	14643	Fri	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	9-8	1900	12162	Sat	546 546 546 1 7296 61 7296 61 28188 21203 66454 ... 37564 85889 89677 000 000	CW	(AB)
M12	9-8	1920	11566	Sat	546 546 546 1 7296 61 7296 61 28188 21203 66454 ... 37564 85889 89677 000 000	CW	(AB)
M12	9-8	1940	10711	Sat	546 546 546 1 7296 61 7296 61 28188 21203 66454 ... 37564 85889 89677 000 000	CW	(AB)
M12	9-8	2100	12189	Sat	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	9-8	2120	13475	Sat	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	9-8	2140	14643	Sat	146 146 146 1 6343 83 6343 83 81851 80645 10703 ... 83850 18969 05242 000 000	CW	(AB)
M12	11-8	0800	13457	Mon	419 419 419 1 8476 198 9476 198 96272 78534 38675 ... 55555 22621 83374 000 000	CW	(AB-KOR/HFD-J)
M12	11-8	0820	12161	Mon	419 419 419 1 8476 198 9476 198 96272 78534 38675 ... 55555 22621 83374 000 000	CW	(AB-KOR/HFD-J)
M12	11-8	0840	10928	Mon	419 419 419 1 8476 198 9476 198 96272 78534 38675 ... 55555 22621 83374 000 000	CW	(AB-KOR/HFD-J)
M12	11-8	1230	13386	Mon	725 725 725 1 2452 138 2452 138 03035 15401 03318 ... 58399 00903 41332 000 000	CW	(AB)
M12	11-8	1250	12189	Mon	725 725 725 1 2452 138 2452 138 03035 15401 03318 ... 58399 00903 41332 000 000	CW	(AB)
M12	11-8	1310	11491	Mon	725 725 725 1 2452 138 2452 138 03035 15401 03318 ... 58399 00903 41332 000 000	CW	(AB)
M12	11-8	2000	12148	Mon	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)

M12	11-8	2020	10648	Mon	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	11-8	2040	9148	Mon	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	12-8	1100	11519	Tue	289 289 289 1 4830 59 4830 59 65053 09677 54067 ... 24108 18488 03131 000 000	CW	(AB)
M12	12-8	1120	12194	Tue	289 289 289 1 4830 59 4830 59 65053 09677 54067 ... 24108 18488 03131 000 000	CW	(AB)
M12	12-8	1140	13407	Tue	289 289 289 1 4830 59 4830 59 65053 09677 54067 ... 24108 18488 03131 000 000	CW	(AB)
M12	13-8	1500	13386	Wed	725 725 725 1 1652 117 1652 117 27606 35692 06512 ... __064 57121 36723 000 000	CW	(AB)
M12	13-8	1516	12189	Wed	725 725 725 1 1652 117 1652 117 27606 35692 06512 ... __064 57121 36723 000 000	CW	(AB)
M12	13-8	1532	11491	Wed	725 725 725 1 1652 117 1652 117 27606 35692 06512 ... __064 57121 36723 000 000	CW	(AB)
M12	13-8	1600	12162	Wed	546 546 546 1 5715 122 5715 122 33099 77113 85567 ... 61671 21745 36449 000 000	CW	(PY)
M12	13-8	1610	11566	Wed	546 546 546 1 5715 122 5715 122 33099 77113 85567 ... 61671 21745 36449 000 000	CW	(PY)
M12	13-8	1620	10711	Wed	546 546 546 1 5715 122 5715 122 33099 77113 85567 ... 61671 21745 36449 000 000	CW	(PY)
M12	13-8	1700	11435	Wed	938 938 938 1 8064 113 8064 113 85658 98997 30645 ... 04105 06304 35542 000 000	CW	(PY)
M12	13-8	1710	10598	Wed	938 938 938 1 8064 113 8064 113 85658 98997 30645 ... 04105 06304 35542 000 000	CW	(PY)
M12	13-8	1720	9327	Wed	938 938 938 1 8064 113 8064 113 85658 98997 30645 ... 04105 06304 35542 000 000	CW	(PY)
M12	13-8	1900	12162	Wed	546 546 546 1 3639 56 3639 56 99887 82065 85296 ... 87503 73777 61610 000 000	CW	(AB)
M12	13-8	1900	15931	Wed	985 985 985 000	CW	(AB)
M12	13-8	1920	11566	Wed	546 546 546 1 3639 56 3639 56 99887 82065 85296 ... 87503 73777 61610 000 000	CW	(AB)
M12	13-8	1920	14831	Wed	985 985 985 000	CW	(AB)
M12	13-8	1940	10711	Wed	546 546 546 1 3639 56 3639 56 99887 82065 85296 ... 87503 73777 61610 000 000	CW	(AB)
M12	14-8	0400	9176	Thu	257 257 257 1 2751 139 2751 139 35956 94160 18987 ... 49292 22790 00036 000 000	CW	(AB)
M12	14-8	0420	7931	Thu	257 257 257 1 2751 139 2751 139 35956 94160 18987 ... 49292 22790 00036 000 000	CW	(AB)
M12	14-8	0440	6904	Thu	257 257 257 1 2751 139 2751 139 35956 94160 18987 ... 49292 22790 00036 000 000	CW	(AB)
M12	14-8	1400	14377	Thu	317 317 317 1 1046 70 1046 70 48303 37043 ... (too weak to copy)	CW	(AB/PY)
M12	14-8	1410	13461	Thu	317 317 317 1 1046 70 1046 70 48303 37043 ... (too weak to copy)	CW	(TM/PY)
M12	14-8	1420	12114	Thu	317 317 317 1 1046 70 1046 70 48303 37043 ... (too weak to copy)	CW	(TM/PY)
M12	14-8	1500	13386	Thu	725 725 725 1 1987 72 1987 72 98511 68086 09921 ... 45875 39693 09518 000 000	CW	(AB/PY)
M12	14-8	1510	12189	Thu	725 725 725 1 1987 72 1987 72 98511 68086 09921 ... 45875 39693 09518 000 000	CW	(AB/PY)
M12	14-8	1520	11491	Thu	725 725 725 1 1987 72 1987 72 98511 68086 09921 ... 45875 39693 09518 000 000	CW	(AB/PY)
M12	14-8	1600	12162	Thu	546 546 546 1 5293 88 5293 88 40288 2__90 22640 ... 47436 50601 __607 000 000	CW	(PY)
M12	14-8	1610	11566	Thu	546 546 546 1 5293 88 5293 88 40288 2__90 22640 ... 47436 50601 __607 000 000	CW	(PY)
M12	14-8	1620	10711	Thu	546 546 546 1 5293 88 5293 88 40288 2__90 22640 ... 47436 50601 __607 000 000	CW	(PY)
M12	14-8	1700	11435	Thu	938 938 938 1 4646 86 4846 86 89630 41430 84665 ... 17616 46089 72128 000 000	CW	(PY)
M12	14-8	1710	10598	Thu	938 938 938 1 4646 86 4846 86 89630 41430 84665 ... 17616 46089 72128 000 000	CW	(PY)
M12	14-8	1720	9327	Thu	938 938 938 1 4646 86 4846 86 89630 41430 84665 ... 17616 46089 72128 000 000	CW	(PY)
M12	14-8	1800	11435	Thu	938 938 938 1 9909 77 9909 77 05220 14018 62945 ... 18274 93621 95073 000 000	CW	(AB)
M12	14-8	1820	10598	Thu	938 938 938 1 9909 77 9909 77 05220 14018 62945 ... 18274 93621 95073 000 000	CW	(AB)
M12	14-8	1840	9327	Thu	938 938 938 1 9909 77 9909 77 05220 14018 62945 ... 18274 93621 95073 000 000	CW	(AB)
M12	14-8	2000	12148	Thu	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	14-8	2020	10648	Thu	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	14-8	2040	9148	Thu	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	15-8	0800	13457	Fri	419 419 419 1 8476 198 9476 198 96272 78534 38675 ... 55555 22621 83374 000 000	CW	(AB-KOR)
M12	15-8	0820	12161	Fri	419 419 419 1 8476 198 9476 198 96272 78534 38675 ... 55555 22621 83374 000 000	CW	(AB-KOR)

M12	15-8	0840	10928	Fri	419 419 419 1 8476 198 9476 198 96272 78534 38675 ... 55555 22621 83374 000 000	CW	(AB-KOR)
M12	15-8	1400	14377	Fri	317 317 317 1 8501 86 8501 86 00595 09275 97372 ... 85060 54118 04638 000 000	CW	(AB/PY)
M12	15-8	1410	13461	Fri	317 317 317 1 8501 86 8501 86 00595 09275 97372 ... 85060 54118 04638 000 000	CW	(TM/PY)
M12	15-8	1420	12114	Fri	317 317 317 1 8501 86 8501 86 00595 09275 97372 ... 85060 54118 04638 000 000	CW	(TM/PY)
M12	15-8	1500	13386	Fri	725 725 725 1 9146 88 9146 88 00857 23319 59951 ... 92906 85151 24137 000 000	CW	(AB/PY)
M12	15-8	1510	12189	Fri	725 725 725 1 9146 88 9146 88 00857 23319 59951 ... 92906 85151 24137 000 000	CW	(AB/PY)
M12	15-8	1520	11491	Fri	725 725 725 1 9146 88 9146 88 00857 23319 59951 ... 92906 85151 24137 000 000	CW	(AB/PY)
M12	15-8	1600	12162	Fri	546 546 546 1 8871 84 8871 84 12169 43104 06810 ... 52776 54509 88204 000 000	CW	(TM/PY)
M12	15-8	1610	11566	Fri	546 546 546 1 8871 84 8871 84 12169 43104 06810 ... 52776 54509 88204 000 000	CW	(TM/PY)
M12	15-8	1620	10711	Fri	546 546 546 1 8871 84 8871 84 12169 43104 06810 ... 52776 54509 88204 000 000	CW	(TM/PY)
M12	15-8	1700	11435	Fri	938 938 938 1 3135 74 3135 74 90317 92099 94110 ... 43667 93582 86011 000 000	CW	(TM/PY)
M12	15-8	1710	10598	Fri	938 938 938 1 3135 74 3135 74 90317 92099 94110 ... 43667 93582 86011 000 000	CW	(TM/PY)
M12	15-8	1720	9327	Fri	938 938 938 1 5368 87 4368 87 92542 53381 67427 ... 70698 10547 00018 000 000	CW	(TM/PY)
M12	15-8	1900	15931	Fri	985 985 985 000	CW	(AB)
M12	15-8	1920	14831	Fri	985 985 985 000	CW	(AB)
M12	15-8	2100	12189	Fri	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	15-8	2120	13475	Fri	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	15-8	2140	14643	Fri	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	16-8	1400	14377	Sat	317 317 317 1 7786 81 7786 81 89400 89690 67918 ... 29211 98416 21132 000 000	CW	(AB/PY)
M12	16-8	1410	13461	Sat	317 317 317 1 7786 81 7786 81 89400 89690 67918 ... 29211 98416 21132 000 000	CW	(AB/PY)
M12	16-8	1420	12114	Sat	317 317 317 1 7786 81 7786 81 89400 89690 67918 ... 29211 98416 21132 000 000	CW	(AB/PY)
M12	16-8	1500	13386	Sat	725 725 725 1 3266 86 3266 86 87345 46256 27267... 27398 97442 47407 000 000	CW	(AB/PY)
M12	16-8	1510	12189	Sat	725 725 725 1 3266 86 3266 86 87345 46256 27267... 27398 97442 47407 000 000	CW	(AB/PY)
M12	16-8	1520	11491	Sat	725 725 725 1 3266 86 3266 86 87345 46256 27267... 27398 97442 47407 000 000	CW	(AB/PY)
M12	16-8	1600	12162	Sat	546 546 546 1 9790 89 9790 89 02745 24802 87144 ... 54041 99798 97075 000 000	CW	(TM/PY)
M12	16-8	1610	11566	Sat	546 546 546 1 9790 89 9790 89 02745 24802 87144 ... 54041 99798 97075 000 000	CW	(TM/PY)
M12	16-8	1620	10711	Sat	546 546 546 1 9790 89 9790 89 02745 24802 87144 ... 54041 99798 97075 000 000	CW	(TM/PY)
M12	16-8	1700	11435	Sat	938 938 938 1 5368 87 4368 87 92542 53381 67427 ... 70698 10547 00018 000 000	CW	(TM/PY)
M12	16-8	1710	10598	Sat	938 938 938 1 5368 87 4368 87 92542 53381 67427 ... 70698 10547 00018 000 000	CW	(TM/PY)
M12	16-8	1720	9327	Sat	938 938 938 1 5368 87 4368 87 92542 53381 67427 ... 70698 10547 00018 000 000	CW	(TM/PY)
M12	16-8	1900	12162	Sat	546 546 546 1 8550 56 8550 56 95736 74587 59819 ... 48985 24232 78252 000 000	CW	(AB)
M12	16-8	1920	11566	Sat	546 546 546 1 8550 56 8550 56 95736 74587 59819 ... 48985 24232 78252 000 000	CW	(AB)
M12	16-8	1940	10711	Sat	546 546 546 1 8550 56 8550 56 95736 74587 59819 ... 48985 24232 78252 000 000	CW	(AB)
M12	16-8	2100	12189	Sat	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	16-8	2120	13475	Sat	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	16-8	2140	14643	Sat	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	17-8	1400	14377	Sun	317 317 317 1 5388 83 5388 83 29907 18580 78378 ... 47295 06735 88095 000 000	CW	(AB/PY)
M12	17-8	1410	13461	Sun	317 317 317 1 5388 83 5388 83 29907 18580 78378 ... 47295 06735 88095 000 000	CW	(AB/PY)
M12	17-8	1420	12114	Sun	317 317 317 1 5388 83 5388 83 29907 18580 78378 ... 47295 06735 88095 000 000	CW	(AB/PY)
M12	17-8	1500	13386	Sun	725 725 725 1 8296 88 8296 88 64600 04715 73432 ... 57611 84536 41763 000 000	CW	(AB/PY)
M12	17-8	1510	12189	Sun	725 725 725 1 8296 88 8296 88 64600 04715 73432 ... 57611 84536 41763 000 000	CW	(AB/PY)
M12	17-8	1520	11491	Sun	725 725 725 1 8296 88 8296 88 64600 04715 73432 ... 57611 84536 41763 000 000	CW	(AB/PY)

M12	17-8	1700	11435	Sun	938 938 938 1 9460 82 9460 82 25017 81717 57368 ... 20780 53571 47350 000 000	CW	(TM/PY)
M12	17-8	1710	10598	Sun	938 938 938 1 9460 82 9460 82 25017 81717 57368 ... 20780 53571 47350 000 000	CW	(TM/PY)
M12	17-8	1720	9327	Sun	938 938 938 1 9460 82 9460 82 25017 81717 57368 ... 20780 53571 47350 000 000	CW	(TM/PY)
M12	18-8	0800	13457	Mon	419 419 419 1 6527 165 6527 165 83106 94026 24714 ... 10786 68856 84113 000 000	CW	(AB-KOR)
M12	18-8	0820	12161	Mon	419 419 419 1 6527 165 6527 165 83106 94026 24714 ... 10786 68856 84113 000 000	CW	(AB-KOR)
M12	18-8	0840	10928	Mon	419 419 419 1 6527 165 6527 165 83106 94026 24714 ... 10786 68856 84113 000 000	CW	(AB-KOR)
M12	18-8	1230	13386	Mon	725 725 725 1 7775 142 7775 142 38941 40425 95349 ... 77321 22942 78685 000 000	CW	(AB)
M12	18-8	1250	12189	Mon	725 725 725 1 7775 142 7775 142 38941 40425 95349 ... 77321 22942 78685 000 000	CW	(AB)
M12	18-8	1310	11491	Mon	725 725 725 1 7775 142 7775 142 38941 40425 95349 ... 77321 22942 78685 000 000	CW	(AB)
M12	18-8	1400	14377	Mon	317 317 317 1 5462 87 5462 87 63077 63909 39506 ... 99839 10689 84060 000 000	CW	(AB/PY)
M12	18-8	1410	13461	Mon	317 317 317 1 5462 87 5462 87 63077 63909 39506 ... 99839 10689 84060 000 000	CW	(AB/PY)
M12	18-8	1420	12114	Mon	317 317 317 1 5462 87 5462 87 63077 63909 39506 ... 99839 10689 84060 000 000	CW	(AB/PY)
M12	18-8	1500	13386	Mon	725 725 725 1 3925 88 3925 88 49404 61140 22188 ... 07968 50455 65538 000 000	CW	(AB/PY)
M12	18-8	1510	12189	Mon	725 725 725 1 3925 88 3925 88 49404 61140 22188 ... 07968 50455 65538 000 000	CW	(AB/PY)
M12	18-8	1520	11491	Mon	725 725 725 1 3925 88 3925 88 49404 61140 22188 ... 07968 50455 65538 000 000	CW	(AB/PY)
M12	18-8	1600	12162	Mon	546 546 546 1 8894 87 8894 87 82249 69525 34567 ... 46108 77784 03499 000 000	CW	(TM/PY)
M12	18-8	1600	12162	Mon	546 546 546 1 8667 86 8667 86 33758 22119 46448 ... 99758 56283 17154 000 000	CW	(TM/PY)
M12	18-8	1610	11566	Mon	546 546 546 1 8667 86 8667 86 33758 22119 46448 ... 99758 56283 17154 000 000	CW	(TM/PY)
M12	18-8	1610	11566	Mon	546 546 546 1 8894 87 8894 87 82249 69525 34567 ... 46108 77784 03499 000 000	CW	(TM/PY)
M12	18-8	1620	10711	Mon	546 546 546 1 8667 86 8667 86 33758 22119 46448 ... 99758 56283 17154 000 000	CW	(TM/PY)
M12	18-8	1620	10711	Mon	546 546 546 1 8894 87 8894 87 82249 69525 34567 ... 46108 77784 03499 000 000	CW	(TM/PY)
M12	18-8	1700	11435	Mon	938 938 938 1 2520 85 2520 85 84239 72460 22588 ... 18044 65272 20712 000 000	CW	(TM/PY)
M12	18-8	1710	10598	Mon	938 938 938 1 2520 85 2520 85 84239 72460 22588 ... 18044 65272 20712 000 000	CW	(TM/PY)
M12	18-8	1720	9327	Mon	938 938 938 1 2520 85 2520 85 84239 72460 22588 ... 18044 65272 20712 000 000	CW	(TM/PY)
M12	18-8	2000	12148	Mon	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	18-8	2020	10648	Mon	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	18-8	2040	9148	Mon	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	19-8	1100	11519	Tue	289 289 289 1 4236 61 4236 61 84543 46044 98508 ... 66899 28774 04337 000 000	CW	(AB)
M12	19-8	1120	12194	Tue	289 289 289 1 4236 61 4236 61 84543 46044 98508 ... 66899 28774 04337 000 000	CW	(AB)
M12	19-8	1140	13407	Tue	289 289 289 1 4236 61 4236 61 84543 46044 98508 ... 66899 28774 04337 000 000	CW	(AB)
M12	19-8	1400	14377	Tue	317 317 317 1 7369 80 7369 80 57767 60065 90142 ... 91169 67199 51660 000 000	CW	(AB/PY)
M12	19-8	1410	13461	Tue	317 317 317 1 7369 80 7369 80 57767 60065 90142 ... 91169 67199 51660 000 000	CW	(AB/PY)
M12	19-8	1420	12114	Tue	317 317 317 1 7369 80 7369 80 57767 60065 90142 ... 91169 67199 51660 000 000	CW	(AB/PY)
M12	19-8	1500	13386	Tue	725 725 725 1 6219 81 6219 81 40614 33807 27193 ... 42109 09323 14105 000 000	CW	(AB/Ringo/PY)
M12	19-8	1510	12189	Tue	725 725 725 1 6219 81 6219 81 40614 33807 27193 ... 42109 09323 14105 000 000	CW	(AB/PY)
M12	19-8	1520	11491	Tue	725 725 725 1 6219 81 6219 81 40614 33807 27193 ... 42109 09323 14105 000 000	CW	(AB/PY)
M12	19-8	1600	12162	Tue	546 546 546 1 7023 84 7023 84 67628 40973 14395 ... 53486 39341 91057 000 000	CW	(TM/PY)
M12	19-8	1610	11566	Tue	546 546 546 1 7023 84 7023 84 67628 40973 14395 ... 53486 39341 91057 000 000	CW	(TM/PY)
M12	19-8	1620	10711	Tue	546 546 546 1 7023 84 7023 84 67628 40973 14395 ... 53486 39341 91057 000 000	CW	(TM/PY)
M12	19-8	1700	11435	Tue	938 938 938 1 1917 89 1917 89 16747 21046 88843 ... 82332 94460 01423 000 000	CW	(TM/PY)
M12	19-8	1710	10598	Tue	938 938 938 1 1917 89 1917 89 16747 21046 88843 ... 82332 94460 01423 000 000	CW	(TM/PY)
M12	19-8	1720	9327	Tue	938 938 938 1 1917 89 1917 89 16747 21046 88843 ... 82332 94460 01423 000 000	CW	(TM/PY)

M12	20-8	1900	12162	Wed	546 546 546 1 9060 59 9060 59 74919 20359 59206 ... 85038 89342 96133 000 000	CW	(AB)
M12	20-8	1900	15931	Wed	985 985 985 1 8906 124 8906 124 16653 11309 84484 ... 41671 43755 97865 000 000	CW	(AB)
M12	20-8	1920	11566	Wed	546 546 546 1 9060 59 9060 59 74919 20359 59206 ... 85038 89342 96133 000 000	CW	(AB)
M12	20-8	1920	14831	Wed	985 985 985 1 8906 124 8906 124 16653 11309 84484 ... 41671 43755 97865 000 000	CW	(AB)
M12	20-8	1940	10711	Wed	546 546 546 1 9060 59 9060 59 74919 20359 59206 ... 85038 89342 96133 000 000	CW	(AB)
M12	20-8	1940	13531	Wed	985 985 985 1 8906 124 8906 124 16653 11309 84484 ... 41671 43755 97865 000 000	CW	(AB)
M12	21-8	0400	9176	Thu	257 257 257 1 6181 123 6181 123 24895 26893 06250 ... 62598 29885 33627 000 000	CW	(AB)
M12	21-8	0420	7931	Thu	257 257 257 1 6181 123 6181 123 24895 26893 06250 ... 62598 29885 33627 000 000	CW	(AB)
M12	21-8	0440	6904	Thu	257 257 257 1 6181 123 6181 123 24895 26893 06250 ... 62598 29885 33627 000 000	CW	(AB)
M12	21-8	1800	11435	Thu	938 938 938 1 9259 81 9259 81 67590 24045 94849 ... 66093 82993 94701 000 000	CW	(AB)
M12	21-8	1820	10598	Thu	938 938 938 1 9259 81 9259 81 67590 24045 94849 ... 66093 82993 94701 000 000	CW	(AB)
M12	21-8	1840	9327	Thu	938 938 938 1 9259 81 9259 81 67590 24045 94849 ... 66093 82993 94701 000 000	CW	(AB)
M12	21-8	2000	12148	Thu	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	21-8	2020	10648	Thu	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	21-8	2040	9148	Thu	374 374 374 1 2989 139 2989 139 63392 41495 48090 ... 10556 46459 26065 000 000	CW	(AB)
M12	22-8	0800	13457	Fri	419 419 419 1 6527 165 6527 165 83106 94026 24714 ... 10786 68856 84113 000 000	CW	(AB-KOR)
M12	22-8	0800	10624	Fri	492 492 492 1 7704 62 7704 62 73875 81930 51703 ... 77618 89789 87497 000 000	CW	(PY)
M12	22-8	0810	11449	Fri	492 492 492 1 7704 62 7704 62 73875 81930 51703 ... 77618 89789 87497 000 000	CW	(PY)
M12	22-8	0820	12161	Fri	419 419 419 1 6527 165 6527 165 83106 94026 24714 ... 10786 68856 84113 000 000	CW	(AB-KOR)
M12	22-8	0820	12133	Fri	492 492 492 1 7704 62 7704 62 73875 81930 51703 ... 77618 89789 87497 000 000	CW	(PY)
M12	22-8	0840	10928	Fri	419 419 419 1 6527 165 6527 165 83106 94026 24714 ... 10786 68856 84113 000 000	CW	(AB-KOR)
M12	22-8	1900	15931	Fri	985 985 985 1 8906 124 8906 124 16653 11309 84484 ... 41671 43755 97865 000 000	CW	(AB)
M12	22-8	1920	14831	Fri	985 985 985 1 8906 124 8906 124 16653 11309 84484 ... 41671 43755 97865 000 000	CW	(AB)
M12	22-8	1940	13531	Fri	985 985 985 1 8906 124 8906 124 16653 11309 84484 ... 41671 43755 97865 000 000	CW	(AB)
M12	22-8	2100	12189	Fri	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	22-8	2120	13475	Fri	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	22-8	2140	14643	Fri	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	23-8	1900	12162	Sat	546 546 546 1 5335 58 5335 58 30520 01358 42620 ... 25939 61944 05259 000 000	CW	(AB/Ringo)
M12	23-8	1920	11566	Sat	546 546 546 1 5335 58 5335 58 30520 01358 42620 ... 25939 61944 05259 000 000	CW	(AB)
M12	23-8	1940	10711	Sat	546 546 546 1 5335 58 5335 58 30520 01358 42620 ... 25939 61944 05259 000 000	CW	(AB)
M12	23-8	2100	12189	Sat	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB/Ringo)
M12	23-8	2120	13475	Sat	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	23-8	2140	14643	Sat	146 146 146 1 2506 216 2506 216 94011 89746 42644 ... 05839 63317 14189 000 000	CW	(AB)
M12	25-8	0800	13457	Mon	419 419 419 1 5491 118 5491 118 98239 14253 80149 ... 03382 42303 35125 000 000	CW	(AB-KOR)
M12	25-8	0820	12161	Mon	419 419 419 1 5491 118 5491 118 98239 14253 80149 ... 03382 42303 35125 000 000	CW	(AB-KOR)
M12	25-8	0840	10928	Mon	419 419 419 1 5491 118 5491 118 98239 14253 80149 ... 03382 42303 35125 000 000	CW	(AB-KOR)
M12	25-8	1230	13386	Mon	725 725 725 1 6752 149 6752 149 90899 64903 40132 ... 30926 12841 13130 000 000	CW	(AB)
M12	25-8	1250	12189	Mon	725 725 725 1 6752 149 6752 149 90899 64903 40132 ... 30926 12841 13130 000 000	CW	(AB)
M12	25-8	1310	11491	Mon	725 725 725 1 6752 149 6752 149 90899 64903 40132 ... 30926 12841 13130 000 000	CW	(AB)
M12	25-8	2000	12148	Mon	374 374 374 000	CW	(AB)
M12	25-8	2020	10648	Mon	374 374 374 000	CW	(AB)
M12	26-8	0300	14975	Tue	984 984 984 1 9611 87 9611 87 87503 71114 23574 ... 47137 84507 42506 000 000	CW	(Ringo)

M12	26-8	1100	11519	Tue	289 289 289 1 1441 64 1441 64 81564 12086 41038 ... 71914 87009 01259 000 000	CW	(AB)
M12	26-8	1120	12194	Tue	289 289 289 1 1441 64 1441 64 81564 12086 41038 ... 71914 87009 01259 000 000	CW	(AB)
M12	26-8	1140	13407	Tue	289 289 289 1 1441 64 1441 64 81564 12086 41038 ... 71914 87009 01259 000 000	CW	(AB)
M12	26-8	1200	10711	Tue	546 546 546 1 3358 62 3358 62 11745 90939 11745 ... 28976 97315 11604 000 000	CW	(PY)
M12	26-8	1200	11566	Tue	546 546 546 1 3358 62 3358 62 11745 90939 11745 ... 28976 97315 11604 000 000	CW	(PY)
M12	26-8	1200	12162	Tue	546 546 546 1 3358 62 3358 62 11745 90939 11745 ... 28976 97315 11604 000 000	CW	(PY)
M12	27-8	1900	12162	Wed	546 546 546 1 9826 58 9826 58 77654 29474 19024 ... 88486 30317 09507 000 000	CW	(AB)
M12	27-8	1900	15931	Wed	985 985 985 000	CW	(AB)
M12	27-8	1920	11566	Wed	546 546 546 1 9826 58 9826 58 77654 29474 19024 ... 88486 30317 09507 000 000	CW	(AB)
M12	27-8	1920	14831	Wed	985 985 985 000	CW	(AB)
M12	27-8	1940	10711	Wed	546 546 546 1 9826 58 9826 58 77654 29474 19024 ... 88486 30317 09507 000 000	CW	(AB)
M12	27-8	2310	14408	Wed	442 442 442 1 6420 154 6420 154 61997 47295 13371 ... 01281 24331 27579 000 000	CW	(Ringo)
M12	28-8	0400	9176	Thu	257 257 257 1 3353 122 3353 122 05928 63400 77572 ... 81089 57898 61652 000 000	CW	(AB)
M12	28-8	0420	7931	Thu	257 257 257 1 3353 122 3353 122 05928 63400 77572 ... 81089 57898 61652 000 000	CW	(AB)
M12	28-8	0440	6904	Thu	257 257 257 1 3353 122 3353 122 05928 63400 77572 ... 81089 57898 61652 000 000	CW	(AB)
M12	28-8	1800	11435	Thu	938 938 938 1 3767 83 3767 83 13954 02526 99404 ... 66921 47701 25605 000 000	CW	(AB)
M12	28-8	1820	10598	Thu	938 938 938 1 3767 83 3767 83 13954 02526 99404 ... 66921 47701 25605 000 000	CW	(AB)
M12	28-8	1840	9327	Thu	938 938 938 1 3767 83 3767 83 13954 02526 99404 ... 66921 47701 25605 000 000	CW	(AB)
M12	28-8	2000	12148	Thu	374 374 374 000	CW	(AB)
M12	28-8	2020	10648	Thu	374 374 374 000	CW	(AB)
M12	29-8	0800	13457	Fri	419 419 419 1 5491 118 5491 118 98239 14253 80149 ... 03382 42303 35125 000 000	CW	(AB-KOR)
M12	29-8	0820	12161	Fri	419 419 419 1 5491 118 5491 118 98239 14253 80149 ... 03382 42303 35125 000 000	CW	(AB-KOR)
M12	29-8	0840	10928	Fri	419 419 419 1 5491 118 5491 118 98239 14253 80149 ... 03382 42303 35125 000 000	CW	(AB-KOR)
M12	29-8	1900	15931	Fri	985 985 985 000	CW	(AB)
M12	29-8	1920	14831	Fri	985 985 985 000	CW	(AB)
M12	29-8	2100	12189	Fri	146 146 146 1 8847 101 8847 101 67319 01579 04420 ... 22957 51422 49425 000 000	CW	(AB)
M12	29-8	2120	13475	Fri	146 146 146 1 8847 101 8847 101 67319 01579 04420 ... 22957 51422 49425 000 000	CW	(AB)
M12	29-8	2140	14643	Fri	146 146 146 1 8847 101 8847 101 67319 01579 04420 ... 22957 51422 49425 000 000	CW	(AB)
M12	30-8	1900	12162	Sat	546 546 546 1 4320 59 4320 59 92393 55103 16256 ... 64482 92772 96440 000 000	CW	(AB)
M12	30-8	1920	11566	Sat	546 546 546 1 4320 59 4320 59 92393 55103 16256 ... 64482 92772 96440 000 000	CW	(AB)
M12	30-8	1940	10711	Sat	546 546 546 1 4320 59 4320 59 92393 55103 16256 ... 64482 92772 96440 000 000	CW	(AB)
M12	30-8	2100	12189	Sat	146 146 146 1 8847 101 8847 101 67319 01579 04420 ... 22957 51422 49425 000 000	CW	(AB)
M12	30-8	2120	13475	Sat	146 146 146 1 8847 101 8847 101 67319 01579 04420 ... 22957 51422 49425 000 000	CW	(AB)
M12	30-8	2140	14643	Sat	146 146 146 1 8847 101 8847 101 67319 01579 04420 ... 22957 51422 49425 000 000	CW	(AB)
M12	31-8	2310	14408	Sun	442 442 442 1 6420 154 6420 154 61997 47295 13371 ... 01281 24331 27579 000 000	CW	(RL)
M12	31-8	2330	13408	Sun	442 442 442 1 6420 154 6420 154 61997 47295 13371 ... 01281 24331 27579 000 000	CW	(RL)
M12	31-8	2350	12203	Sun	442 442 442 1 6420 154 6420 154 61997 47295 13371 ... 01281 24331 27579 000 000	CW	(RL)
M14	1-8	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	1-8	0520	10423	Fri	952 952 952 00000	CW	(AB-J)
M14	4-8	0500	12211	Mon	952 716 716 54 54 = = 29026 74785 90551 ... 47072 91747 33699 = = 716 716 54 54 0000	CW	(AB-J)
M14	4-8	0520	10243	Mon	952 716 716 54 54 = = 29026 74785 90551 ... 47072 91747 33699 = = 716 716 54 54 0000	CW	(AB-J)
M14	5-8	0500	12211	Tue	952 716 716 54 54 = = 29026 74785 90551 ... 47072 91747 33699 = = 716 716 54 54 0000	CW	(AB-J)

M14	5-8	0520	10243	Tue	952 (R4) 1m28s silence 716 716 54 54 = = 29026 74785 90551 ... 47072 91747 33699 = =	CW	(AB-J)
M14	6-8	0500	12211	Wed	952 430 430 28 28 = = 66069 90626 84316 ... 22562 91763 63677 = = 430 430 28 28 952	CW	(AB-J)
M14	6-8	0520	10243	Wed	952 430 430 28 28 = = 66069 90626 84316 ... 22562 91763 63677 = = 430 430 28 28 952	CW	(AB-J)
M14	7-8	0500	12211	Thu	952 430 430 28 28 = = 66069 90626 84316 ... 22562 91763 63677 = = 430 430 28 28 952	CW	(AB-J)
M14	7-8	0520	10243	Thu	952 430 430 28 28 = = 66069 90626 84316 ... 22562 91763 63677 = = 430 430 28 28 952	CW	(AB-J)
M14	8-8	0500	12211	Fri	952 (R4m) off	CW	(AB-J)
M14	8-8	0520	10423	Fri	952 (R4m) off	CW	(AB-J)
M14	11-8	0500	12211	Mon	952 310 310 54 54 = = 74663 53960 11634 ... 34356 10719 38257 = = 310 310 54 54 0000	CW	(AB-J)
M14	11-8	0520	10243	Mon	952 310 310 54 54 = = 74663 53960 11634 ... 34356 10719 38257 = = 310 310 54 54 0000	CW	(AB-J)
M14	12-8	0500	12211	Tue	952 310 310 54 54 = = 74663 53960 11634 ... 34356 10719 38257 = = 310 310 54 54 0000	CW	(AB-J)
M14	12-8	0520	10243	Tue	952 310 310 54 54 = = 74663 53960 11634 ... 34356 10719 38257 = = 310 310 54 54 0000	CW	(AB-J)
M14	13-8	0511	12211	Wed	Started late and skipped most of the first message. 107 107 34 34 = = 40383 70237 94	CW	(AB-J)
M14	13-8	0521	10243	Wed	952 107 107 34 34 = = 40383 70237 94393 ... 34254 89101 71398 = = 107 107 34 34 952	CW	(AB-J)
M14	14-8	0500	12211	Thu	952 107 107 34 34 = = 40383 70237 94393 ... 34254 89101 71398 = = 107 107 34 34 952	CW	(AB-J)
M14	14-8	0520	10243	Thu	952 107 107 34 34 = = 40383 70237 94393 ... 34254 89101 71398 = = 107 107 34 34 952	CW	(AB-J)
M14	15-8	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	15-8	0520	10423	Fri	952 952 952 00000	CW	(AB-J)
M14	18-8	0500	12211	Mon	952 364 364 51 51 = = 61399 38952 32112 ... 30139 19527 46339 = = 364 364 51 51 0000	CW	(AB-J)
M14	18-8	0520	10243	Mon	952 364 364 51 51 = = 61399 38952 32112 ... 30139 19527 46339 = = 364 364 51 51 0000	CW	(AB-J)
M14	19-8	0500	12211	Tue	952 (R4m) off	CW	(AB-J)
M14	19-8	0520	10243	Tue	952 364 364 51 51 = = 61399 38952 32112 ... 30139 19527 46339 = = 364 364 51 51 0000	CW	(AB-J)
M14	20-8	0510	12211	Wed	952 634 634 27 27 = = 41152 13355 67257 ... 74234 27314 98738 = = 634 634 27 27 952	CW	(AB-J)
M14	20-8	0520	10243	Wed	952 634 634 27 27 = = 41152 13355 67257 ... 74234 27314 98738 = = 634 634 27 27 952	CW	(AB-J)
M14	21-8	0500	12211	Thu	952 (R4m) 56sec silence 952 634 634 27 27 = = 41152 13355 (1min 12sec silence) 95 63	CW	(AB-J)
M14	21-8	0520	10243	Thu	No transmission	CW	(AB-J)
M14	22-8	0500	12211	Fri	952 952 952 00000 (R4m) 00000	CW	(AB-J)
M14	22-8	0520	10423	Fri	952 952 952 00000	CW	(AB-J)
M14	25-8	0500	12211	Mon	952 251 251 59 59 = = 77317 70697 75547 ... 27142 31455 56450 = = 251 251 59 59 952	CW	(AB-J)
M14	25-8	0520	10243	Mon	952 810 810 57 57 = = 64432 19175 69164 ... 86267 47845 50673 = = 810 810 57 57 0000	CW	(AB-J)
M14	26-8	0500	12211	Tue	952 810 810 57 57 = = 64432 19175 69164 ... 86267 47845 50673 = = 810 810 57 57 0000	CW	(AB-J)
M14	26-8	0520	10243	Tue	952 810 810 57 57 = = 64432 19175 69164 ... 86267 47845 50673 = = 810 810 57 57 0000	CW	(AB-J)
M14	27-8	0500	12211	Wed	952 103 103 38 38 = = 30181 14017 00885 ... 94081 26922 85509 = = 103 103 38 38 952	CW	(AB-J)
M14	27-8	0520	10243	Wed	952 103 103 38 38 = = 30181 14017 00885 ... 94081 26922 85509 = = 103 103 38 38 952	CW	(AB-J)
M14	28-8	0500	12211	Thu	952 103 103 38 38 = = 30181 14017 00885 ... 94081 26922 85509 = = 103 103 38 38 952	CW	(AB-J)
M14	28-8	0520	10243	Thu	952 103 103 38 38 = = 30181 14017 00885 ... 94081 26922 85509 = = 103 103 38 38 952	CW	(AB-J)
M14	29-8	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	29-8	0520	10423	Fri	952 952 952 00000	CW	(AB-J)
M42	7-8	0743	16028	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	7-8	0745	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	7-8	0806	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	7-8	0933	20844	Thu	Russian diplo	MFSK-66	(RO)
M42	7-8	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana	FSK 75/500	(AB/TJ)

[illegible]

M89	1-8	1153	4522	Fri	i.p. RMKS 7820 TO 8868 =	CW	(JPL)
M89	1-8	1157	4516	Fri	7IZY DE KMD.	CW	(JPL)
M89	1-8	1203	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	1-8	1203	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	1-8	1214	8105	Fri	i.p. NR 816 CK 95 39 0822 2012 RMK 8335 TO 4033 =	CW	(JPL)
M89	1-8	1458	6540	Fri	SVC Q2G/2251/204 QSL K	CW	(JPL)
M89	1-8	1520	6502	Fri	i.p. cut nrs - 4 groups	CW	(JPL)
M89	1-8	1618	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	1-8	1618	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	1-8	1620	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	1-8	1620	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	3-8	1120	4860	Sun	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	3-8	1120	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	3-8	1130	7620	Sun	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	3-8	1130	8350	Sun	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	3-8	1156	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-8	1020	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1120	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1120	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1120	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1120	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1130	7620	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-8	1130	7620	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-8	1130	8350	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-8	1130	8350	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-8	1158	4357	Tue	V 3JWV (x3) DE QSVP (x2) M89	CW	(JPL)
M89	5-8	1158	8375	Tue	V 3JWV (x3) DE QSVP (x2) M89	CW	(JPL)
M89	5-8	1459	4357	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-8	1459	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-8	1519	4357	Tue	V 3JWV (x3) DE QSVP (x2) M89	CW	(JPL)
M89	5-8	1520	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1520	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1520	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1520	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	5-8	1523	5484	Tue	X15G (Working outstations - NBXI, F9EA, C5L5)	CW	(JPL)
M89	5-8	1523	5555	Tue	i.p. RMKS 9650 TO 9961 TO 9578 TO 9518 TO 9588 TO 9547 =	CW	(JPL)
M89	5-8	1524	5716	Tue	i.p. 4FG	CW	(JPL)
M89	5-8	1530	4720	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-8	1530	5150	Tue	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	5-8	1618	4357	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-8	1618	8375	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	5-8	1618	12124	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)

M89	14-8	1205	4357	Thu	V 3JWV (x3) DE QSVP (x2) NR 0571/MZ 2006 RMKS 7444 TO 7714 =	CW	(JPL)
M89	14-8	1205	5742	Thu	V 3JWV (x3) DE QSVP (x2) NR 0571/MZ 2006 RMKS 7444 TO 7714 =	CW	(JPL)
M89	14-8	1205	8375	Thu	V 3JWV (x3) DE QSVP (x2) NR 0571/MZ 2006 RMKS 7444 TO 7714 =	CW	(JPL)
M89	21-8	1457	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	21-8	1457	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	21-8	1507	4720	Thu	i.p. NR 5759 CK 51 74 0821 2250 RMKS 2531 TO 2579 =	CW	(JPL)
M89	21-8	1514	5502	Thu	i.p. cut nrs - 4 groups	CW	(JPL)
M89	21-8	1520	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	21-8	1520	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	21-8	1530	4720	Thu	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	23-8	1239	7102	Sat	i.p.	CW	(JPL)
M89	23-8	1401	4357	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-8	1401	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	23-8	1415	6941	Sat	EJTC DE N74L NR 5858 CK 89 57 0823 2200 RMKS 1908 TO 1538 =	CW	(JPL)
M89	24-8	1048	10557	Sun	B9PN DE N8VL	CW	(JPL)
M89	24-8	1115	4357	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-8	1115	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-8	1115	8375	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-8	1115	12124	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-8	1120	4860	Sun	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	24-8	1120	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	24-8	1130	7620	Sun	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	24-8	1130	8350	Sun	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	24-8	1401	5742	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	24-8	1401	8375	Sun	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-8	1120	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	28-8	1120	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	28-8	1127	8375	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-8	1127	12124	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-8	1130	7620	Thu	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	28-8	1130	8350	Thu	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	28-8	1530	4720	Thu	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	28-8	1530	5150	Thu	VVV WNF (x3) DE FXM (X2) (R5)	CW	(JPL)
M89	28-8	1539	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-8	1539	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	28-8	1540	4850	Thu	VVV UIS (x3) DE FXH (X2) (R5) Note: 4850/5450 call could be wrong.	CW	(JPL)
M89	28-8	1540	5450	Thu	VVV UIS (x3) DE FXH (X2) (R5) Note: 4850/5450 call could be wrong.	CW	(JPL)
M89	28-8	1800	4450	Thu	i.p.	CW	(JPL)
M89	28-8	1800	5201	Thu	BMV (x3) DE 7LG (x2) (R5)	CW	(JPL)
M89	28-8	1820	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	28-8	1820	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	29-8	1500	5201	Fri	BMV (x3) DE 7LG (x2) (R5)	CW	(JPL)

M89	29-8	1520	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M89	29-8	1520	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5)	CW	(JPL)
M95	1-8	1612	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	1-8	1612	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	2-8	1143	4542	Sat	V BNGC DE XS30 NR 0675 CK 349 35 0802 1552 = NR 0676 CK 045 35 0802 1555 =	CW	(JPL)
M95	2-8	1143	6876	Sat	V BNGC DE XS30 NR 0675 CK 349 35 0802 1552 = NR 0676 CK 045 35 0802 1555 =	CW	(JPL)
M95	3-8	1143	4542	Sun	V BNGC DE XS30 NR 0679 CK 328 35 0803 1604 =	CW	(JPL)
M95	3-8	1143	6876	Sun	V BNGC DE XS30 NR 0679 CK 328 35 0803 1604 =	CW	(JPL)
M95	3-8	1152	4156	Sun	Message	CW	(JPL)
M95	3-8	1152	9042	Sun	Message	CW	(JPL)
M95	5-8	1028	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-8	1128	11475	Tue	V WCJJ (x3) DE HBDD (x2) M95 (Remote tuner Hong Kong) JPL SUN	CW	(JPL)
M95	5-8	1133	4542	Tue	V BNGC DE XS30 - NR 0688 CK 047 35 0805 1609 =	CW	(JPL)
M95	5-8	1133	6876	Tue	V BNGC DE XS30 - NR 0688 CK 047 35 0805 1609 =	CW	(JPL)
M95	5-8	1143	4156	Tue	NR 026 CK 32 35 0810 1529 BT	CW	(JPL)
M95	5-8	1149	4156	Tue	NR 026 CK 32 35 0810 1529 BT	CW	(JPL)
M95	5-8	1149	9042	Tue	NR 026 CK 32 35 0810 1529 BT	CW	(JPL)
M95	5-8	1153	4156	Tue	NR 10 CK 191 35 0805 1530 =	CW	(JPL)
M95	5-8	1153	9042	Tue	NR 10 CK 191 35 0805 1530 =	CW	(JPL)
M95	5-8	1454	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-8	1454	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-8	1507	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	5-8	1507	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-8	1150	4156	Wed	V BNGC DE XS30 - NR 0750 CK 688 35 0822 1642 = //4156 kHz	CW	(JPL)
M95	13-8	1150	9042	Wed	NR 46 CK 176 35 0823 1518 =	CW	(JPL)
M95	13-8	1205	7800	Wed	NR 361/CCK CK 80 24 0823 2000 RMKS HPGQ TO DGDY K	CW	(JPL)
M95	13-8	1224	7525	Wed	NR à/CCK CK ..1 75 0823 2009 RMKS 0607 TO 0526 K	CW	(JPL)
M95	13-8	1414	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-8	1414	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-8	1142	6876	Thu	V BNGC DE XS30 - NR 0721 CK 458 35 0814 1613 =	CW	(JPL)
M95	14-8	1150	4156	Thu	NR 034 CK 40 35 0814 1508 = NR 28 CK 293 35 0814 15.. = //9042 kHz	CW	(JPL)
M95	14-8	1150	9042	Thu	NR 034 CK 40 35 0814 1508 = NR 28 CK 293 35 0814 15.. = //4156 kHz	CW	(JPL)
M95	21-8	1454	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-8	1454	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-8	1149	6876	Fri	V BNGC DE XS30 - NR 0750 CK 688 35 0822 1642 = //9042 kHz	CW	(JPL)
M95	24-8	1041	11475	Sun	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	24-8	1149	6876	Sun	V BNGC DE XS30 - NR 0761 CK 051 35 0824 1607 = NR 0762 CK 522 35 0824 1609 =	CW	(JPL)
M95	24-8	1154	9042	Sun	message. Unable to copy	CW	(JPL)
M95	28-8	1028	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-8	1149	6876	Thu	V BNGC DE XS30 - NR 0787	CW	(JPL)
M95	28-8	1149	6876	Thu	V BNGC DE XS30	CW	(JPL)
M95	28-8	1208	9042	Thu	i.p. too poor to copy	CW	(JPL)

M95	28-8	1528	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-8	1528	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	29-8	1150	9042	Fri	i.p. //4156 kHz	CW	(JPL)
M95	29-8	1157	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
NB	2-8	1752	5365	Sat	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	2-8	1752	6365	Sat	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	2-8	1752	8365	Sat	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	19-8	1617	5365	Tue	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	19-8	1617	6565	Tue	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	19-8	1617	8365	Tue	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	20-8	1700	5365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-8	1700	6565	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-8	1700	8365	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
P03	1-8	0530	10448	Fri	Polish intel.	PSK	(AB)
P03	1-8	0535	10448	Fri	Polish intel.	PSK	(AB)
P03	1-8	1100	9963	Fri	Polish intel.	PSK	(AB)
P03	1-8	1105	9963	Fri	Polish intel.	PSK	(AB)
P03	1-8	1500	9049	Fri	Polish intel.	PSK	(AB)
P03	1-8	1505	9049	Fri	Polish intel.	PSK	(AB)
P03	1-8	1515	21906	Fri	Polish intel.	PSK	(AB)
P03	1-8	1520	21906	Fri	Polish intel.	PSK	(AB)
P03	2-8	1020	7840	Sat	Polish intel.	PSK	(AB)
P03	2-8	1025	7840	Sat	Polish intel.	PSK	(AB)
P03	2-8	1245	6480	Sat	Polish intel.	PSK	(AB)
P03	2-8	1250	6480	Sat	Polish intel.	PSK	(AB)
P03	2-8	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	2-8	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	3-8	0530	10448	Sun	Polish intel.	PSK	(AB)
P03	3-8	0535	10448	Sun	Polish intel.	PSK	(AB)
P03	3-8	1020	7840	Sun	Polish intel.	PSK	(AB)
P03	3-8	1025	7840	Sun	Polish intel.	PSK	(AB)
P03	3-8	1100	9963	Sun	Polish intel.	PSK	(AB)
P03	3-8	1105	9963	Sun	Polish intel.	PSK	(AB)
P03	3-8	1245	6480	Sun	Polish intel.	PSK	(AB)
P03	3-8	1250	6480	Sun	Polish intel.	PSK	(AB)
P03	3-8	1515	21906	Sun	Polish intel.	PSK	(AB)
P03	3-8	1520	21906	Sun	Polish intel.	PSK	(AB)
P03	3-8	1725	14759	Sun	Polish intel.	PSK	(AB)
P03	3-8	1730	14759	Sun	Polish intel.	PSK	(AB)
P03	3-8	1950	8456	Sun	Polish intel.	PSK	(AB)
P03	3-8	1955	8456	Sun	Polish intel.	PSK	(AB)
P03	5-8	1500	9049	Tue	Polish intel.	PSK	(AB)

P03	5-8	1505	9049	Tue	Polish intel.	PSK	(AB)
P03	5-8	1725	14759	Tue	Polish intel.	PSK	(AB)
P03	5-8	1730	14759	Tue	Polish intel.	PSK	(AB)
P03	6-8	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	6-8	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	7-8	1950	8456	Thu	Polish intel.	PSK	(AB)
P03	7-8	1955	8456	Thu	Polish intel.	PSK	(AB)
P03	8-8	0530	10448	Fri	Polish intel.	PSK	(AB)
P03	8-8	0535	10448	Fri	Polish intel.	PSK	(AB)
P03	8-8	1100	9963	Fri	Polish intel.	PSK	(AB)
P03	8-8	1105	9963	Fri	Polish intel.	PSK	(AB)
P03	8-8	1500	9049	Fri	Polish intel.	PSK	(AB)
P03	8-8	1505	9049	Fri	Polish intel.	PSK	(AB)
P03	8-8	1515	21906	Fri	Polish intel.	PSK	(AB)
P03	8-8	1520	21906	Fri	Polish intel.	PSK	(AB)
P03	9-8	1020	7840	Sat	Polish intel.	PSK	(AB)
P03	9-8	1025	7840	Sat	Polish intel.	PSK	(AB)
P03	9-8	1245	6480	Sat	Polish intel.	PSK	(AB)
P03	9-8	1250	6480	Sat	Polish intel.	PSK	(AB)
P03	9-8	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	9-8	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	10-8	0530	10448	Sun	Polish intel.	PSK	(AB)
P03	10-8	0535	10448	Sun	Polish intel.	PSK	(AB)
P03	10-8	1020	7840	Sun	Polish intel.	PSK	(AB)
P03	10-8	1025	7840	Sun	Polish intel.	PSK	(AB)
P03	10-8	1100	9963	Sun	Polish intel.	PSK	(AB)
P03	10-8	1105	9963	Sun	Polish intel.	PSK	(AB)
P03	10-8	1245	6480	Sun	Polish intel.	PSK	(AB)
P03	10-8	1250	6480	Sun	Polish intel.	PSK	(AB)
P03	10-8	1725	14759	Sun	Polish intel.	PSK	(AB)
P03	10-8	1730	14759	Sun	Polish intel.	PSK	(AB)
P03	10-8	1950	8456	Sun	Polish intel.	PSK	(AB)
P03	10-8	1955	8456	Sun	Polish intel.	PSK	(AB)
P03	11-8	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	11-8	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	12-8	1500	9049	Tue	Polish intel.	PSK	(AB)
P03	12-8	1505	9049	Tue	Polish intel.	PSK	(AB)
P03	12-8	1725	14759	Tue	Polish intel.	PSK	(AB)
P03	12-8	1730	14759	Tue	Polish intel.	PSK	(AB)
P03	13-8	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	13-8	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	14-8	1950	8456	Thu	Polish intel.	PSK	(AB)

P03	14-8	1955	8456	Thu	Polish intel.	PSK	(AB)
P03	15-8	0530	10448	Fri	Polish intel.	PSK	(AB)
P03	15-8	0535	10448	Fri	Polish intel.	PSK	(AB)
P03	15-8	1100	9963	Fri	Polish intel.	PSK	(AB)
P03	15-8	1105	9963	Fri	Polish intel.	PSK	(AB)
P03	15-8	1500	9049	Fri	Polish intel.	PSK	(AB)
P03	15-8	1505	9049	Fri	Polish intel.	PSK	(AB)
P03	15-8	1515	21906	Fri	Polish intel.	PSK	(AB)
P03	15-8	1520	21906	Fri	Polish intel.	PSK	(AB)
P03	16-8	1020	7840	Sat	Polish intel.	PSK	(AB)
P03	16-8	1025	7840	Sat	Polish intel.	PSK	(AB)
P03	16-8	1245	6480	Sat	Polish intel.	PSK	(AB)
P03	16-8	1250	6480	Sat	Polish intel.	PSK	(AB)
P03	16-8	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	16-8	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	17-8	0530	10448	Sun	Polish intel.	PSK	(AB)
P03	17-8	0535	10448	Sun	Polish intel.	PSK	(AB)
P03	17-8	1020	7840	Sun	Polish intel.	PSK	(AB)
P03	17-8	1025	7840	Sun	Polish intel.	PSK	(AB)
P03	17-8	1100	9963	Sun	Polish intel.	PSK	(AB)
P03	17-8	1105	9963	Sun	Polish intel.	PSK	(AB)
P03	17-8	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	17-8	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	17-8	1245	6480	Sun	Polish intel.	PSK	(AB)
P03	17-8	1250	6480	Sun	Polish intel.	PSK	(AB)
P03	17-8	1515	21906	Sun	Polish intel.	PSK	(AB-POL)
P03	17-8	1520	21906	Sun	Polish intel.	PSK	(AB-POL)
P03	17-8	1725	14759	Sun	Polish intel.	PSK	(AB)
P03	17-8	1730	14759	Sun	Polish intel.	PSK	(AB)
P03	17-8	1950	8456	Sun	Polish intel.	PSK	(AB)
P03	17-8	1955	8456	Sun	Polish intel.	PSK	(AB)
P03	18-8	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	18-8	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	19-8	1500	9049	Tue	Polish intel.	PSK	(AB)
P03	19-8	1505	9049	Tue	Polish intel.	PSK	(AB)
P03	19-8	1725	14759	Tue	Polish intel.	PSK	(AB)
P03	19-8	1730	14759	Tue	Polish intel.	PSK	(AB)
P03	20-8	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	20-8	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	21-8	1950	8456	Thu	Polish intel.	PSK	(AB)
P03	21-8	1955	8456	Thu	Polish intel.	PSK	(AB)
P03	22-8	0530	10448	Fri	Polish intel.	PSK	(AB)

P03	22-8	0535	10448	Fri	Polish intel.	PSK	(AB)
P03	22-8	1100	9963	Fri	Polish intel.	PSK	(AB)
P03	22-8	1105	9963	Fri	Polish intel.	PSK	(AB)
P03	22-8	1500	9049	Fri	Polish intel.	PSK	(AB)
P03	22-8	1505	9049	Fri	Polish intel.	PSK	(AB)
P03	22-8	1515	21906	Fri	Polish intel.	PSK	(AB-POL)
P03	22-8	1520	21906	Fri	Polish intel.	PSK	(AB-POL)
P03	23-8	1020	7840	Sat	Polish intel.	PSK	(AB)
P03	23-8	1025	7840	Sat	Polish intel.	PSK	(AB)
P03	23-8	1245	6480	Sat	Polish intel.	PSK	(AB)
P03	23-8	1250	6480	Sat	Polish intel.	PSK	(AB)
P03	23-8	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	23-8	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	24-8	0530	10448	Sun	Polish intel.	PSK	(AB)
P03	24-8	0535	10448	Sun	Polish intel.	PSK	(AB)
P03	24-8	1020	7840	Sun	Polish intel.	PSK	(AB)
P03	24-8	1025	7840	Sun	Polish intel.	PSK	(AB)
P03	24-8	1100	9963	Sun	Polish intel.	PSK	(AB)
P03	24-8	1105	9963	Sun	Polish intel.	PSK	(AB)
P03	24-8	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	24-8	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	24-8	1245	6480	Sun	Polish intel.	PSK	(AB)
P03	24-8	1250	6480	Sun	Polish intel.	PSK	(AB)
P03	24-8	1515	21906	Sun	Polish intel.	PSK	(AB-POL)
P03	24-8	1520	21906	Sun	Polish intel.	PSK	(AB-POL)
P03	24-8	1725	14759	Sun	Polish intel.	PSK	(AB)
P03	24-8	1730	14759	Sun	Polish intel.	PSK	(AB)
P03	24-8	1950	8456	Sun	Polish intel.	PSK	(AB)
P03	24-8	1955	8456	Sun	Polish intel.	PSK	(AB)
P03	25-8	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	25-8	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	26-8	1500	9049	Tue	Polish intel.	PSK	(AB)
P03	26-8	1505	9049	Tue	Polish intel.	PSK	(AB)
P03	26-8	1725	14759	Tue	Polish intel.	PSK	(AB)
P03	26-8	1730	14759	Tue	Polish intel.	PSK	(AB)
P03	27-8	1310	11103	Wed	Polish intel.	PSK	(AB)
P03	27-8	1315	11103	Wed	Polish intel.	PSK	(AB)
P03	28-8	1950	8456	Thu	Polish intel.	PSK	(AB)
P03	28-8	1955	8456	Thu	Polish intel.	PSK	(AB)
P03	29-8	0530	10448	Fri	Polish intel.	PSK	(AB)
P03	29-8	0535	10448	Fri	Polish intel.	PSK	(AB)
P03	29-8	1100	9963	Fri	Polish intel.	PSK	(AB)

P03	29-8	1105	9963	Fri	Polish intel.	PSK	(AB)
P03	29-8	1500	9049	Fri	Polish intel.	PSK	(AB)
P03	29-8	1505	9049	Fri	Polish intel.	PSK	(AB)
P03	30-8	1020	7840	Sat	Polish intel.	PSK	(AB)
P03	30-8	1025	7840	Sat	Polish intel.	PSK	(AB)
P03	30-8	1245	6480	Sat	Polish intel.	PSK	(AB)
P03	30-8	1250	6480	Sat	Polish intel.	PSK	(AB)
P03	30-8	1310	11103	Sat	Polish intel.	PSK	(AB)
P03	30-8	1315	11103	Sat	Polish intel.	PSK	(AB)
P03	31-8	0530	10448	Sun	Polish intel.	PSK	(AB)
P03	31-8	0535	10448	Sun	Polish intel.	PSK	(AB)
P03	31-8	1020	7840	Sun	Polish intel.	PSK	(AB)
P03	31-8	1025	7840	Sun	Polish intel.	PSK	(AB)
P03	31-8	1100	9963	Sun	Polish intel.	PSK	(AB)
P03	31-8	1105	9963	Sun	Polish intel.	PSK	(AB)
P03	31-8	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	31-8	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	31-8	1245	6480	Sun	Polish intel.	PSK	(AB)
P03	31-8	1250	6480	Sun	Polish intel.	PSK	(AB)
P03	31-8	1515	21906	Sun	Polish intel.	PSK	(AB-POL)
P03	31-8	1520	21906	Sun	Polish intel.	PSK	(AB-POL)
P03	31-8	1725	14759	Sun	Polish intel.	PSK	(AB)
P03	31-8	1730	14759	Sun	Polish intel.	PSK	(AB)
P03	31-8	1950	8456	Sun	Polish intel.	PSK	(AB)
P03	31-8	1955	8456	Sun	Polish intel.	PSK	(AB)
P03g	4-8	1030	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-8	1035	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-8	1030	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-8	1035	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-8	1030	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-8	1035	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-8	1030	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-8	1035	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-8	1030	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-8	1035	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-8	1030	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-8	1035	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-8	1030	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-8	1035	9339	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-8	1030	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-8	1035	9339	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03j	6-8	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	6-8	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-8	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-8	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-8	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-8	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-8	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-8	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	2-8	0630	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-8	0635	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-8	1230	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-8	1235	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-8	1730	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-8	1735	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-8	0630	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-8	0635	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-8	1730	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-8	1735	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-8	0630	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-8	0635	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-8	1230	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	9-8	1235	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	9-8	1730	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-8	1735	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-8	0630	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-8	0635	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-8	1230	21906	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-8	1235	21906	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	1730	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-8	1735	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-8	0630	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-8	0635	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-8	1230	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	16-8	1235	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	16-8	1730	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-8	1735	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-8	0630	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-8	0635	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-8	1230	21906	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-8	1235	21906	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-8	1730	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-8	1735	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-8	0630	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	23-8	0635	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-8	1230	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	23-8	1235	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	23-8	1730	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-8	1735	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-8	0630	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-8	0635	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-8	1230	21906	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-8	1235	21906	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1730	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-8	1735	10210	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-8	0630	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-8	0635	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-8	1230	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	30-8	1235	21906	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	30-8	1730	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-8	1735	10210	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-8	0630	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-8	0635	7772	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	1-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	1-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	1-8	1345	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	1-8	1350	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-8	1200	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-8	1205	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-8	0635	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-8	0640	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-8	1345	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-8	1350	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-8	0635	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-8	0640	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-8	1200	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-8	1205	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-8	1345	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-8	1350	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-8	1200	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-8	1205	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-8	0635	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	12-8	0640	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	13-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	13-8	1345	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-8	1350	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-8	0635	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-8	0640	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-8	1200	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-8	1205	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-8	1345	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-8	1350	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-8	1200	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-8	1205	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-8	0635	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-8	0640	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	20-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	20-8	1345	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-8	1350	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-8	0635	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	21-8	0640	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	21-8	1200	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-8	1205	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-8	1345	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-8	1350	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-8	1200	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-8	1205	9371	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-8	0635	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-8	0640	19425	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-8	1315	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	27-8	1320	16335	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	27-8	1345	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-8	1350	11531	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-8	0635	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	28-8	0640	19425	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	28-8	1200	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-8	1205	9371	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-8	1315	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	29-8	1320	16335	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-8	1345	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-8	1350	11531	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	3-8	1400	9214	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-8	1410	8187	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-8	1420	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-8	1430	6782	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-8	1440	5899	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-8	1450	5184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-8	1400	9214	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-8	1410	8187	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-8	1420	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-8	1430	6782	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-8	1440	5899	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-8	1450	5184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-8	1400	9214	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-8	1410	8187	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-8	1420	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-8	1430	6782	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-8	1440	5899	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-8	1450	5184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-8	1400	9214	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-8	1410	8187	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-8	1420	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-8	1430	6782	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-8	1440	5899	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	13-8	1450	5184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-8	1400	9214	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-8	1410	8187	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-8	1420	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-8	1430	6782	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-8	1440	5899	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-8	1450	5184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-8	1400	9214	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-8	1410	8187	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-8	1420	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-8	1430	6782	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-8	1440	5899	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	20-8	1450	5184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-8	1500	14396	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1510	13432	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1520	12141	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)

P07	22-8	1600	14396	Fri	No transmission	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1614	13432	Fri	Test tones	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1620	12141	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1700	14396	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1710	13432	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1720	12141	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1800	14396	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1810	13432	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	22-8	1820	12141	Fri	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	23-8	1500	14396	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	23-8	1510	13432	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	23-8	1520	12141	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	23-8	1600	14396	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	23-8	1610	13432	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	23-8	1620	12141	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/PY)
P07	24-8	1400	9214	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-8	1410	8187	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-8	1420	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-8	1430	6782	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-8	1440	5899	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-8	1450	5184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-8	1400	9214	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-8	1410	8187	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-8	1420	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-8	1430	6782	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-8	1440	5899	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	27-8	1450	5184	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-8	1400	9214	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-8	1410	8187	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-8	1420	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-8	1430	6782	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-8	1440	5899	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-8	1450	5184	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	3-8	1123	4542	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-8	1123	6876	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-8	1145	4156	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	3-8	1145	9042	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-8	1133	4542	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-8	1133	6876	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-8	1133	6876	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-8	1144	4156	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	5-8	1144	9042	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)

Q26	14-8	1132	6876	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	22-8	1131	6876	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-8	1131	6876	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-8	1131	6876	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-8	1141	6876	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-8	5 1523	8452.	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
S06	1-8	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	1-8	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	1-8	1900	11149	Fri	842 842 842 00000	USB	(AB)
S06	1-8	1900	11149	Fri	842:0 (hfd)	USB	(HFD)
S06	1-8	2000	9205	Fri	842 842 842 00000	USB	(AB)
S06	1-8	2000	9205	Fri	842:0 (hfd)	USB	(HFD)
S06	4-8	0400	11616	Mon	480 519 60	USB	(Lac)
S06	4-8	0400	11616	Mon	480 519 60 93913 31293 46383 ... 75879 62726 11211 519 60 00000	USB	(Subilo)
S06	4-8	0420	9322	Mon	480 519 60	USB	(Lac)
S06	4-8	0420	9322	Mon	480 519 60 93913 31293 46383 ... 75879 62726 11211 519 60 00000	USB	(Subilo)
S06	5-8	0400	11616	Tue	480 519 60 93913 31293 46383 ... 75879 62726 11211 519 60 00000	USB	(Subilo)
S06	5-8	0420	9322	Tue	480 519 60 93913 31293 46383 ... 75879 62726 11211 519 60 00000	USB	(Subilo)
S06	6-8	0400	11616	Wed	480 219 34 92000 13723 60721 ... 01817 31133 15773 219 34 480 763 21 73141 28909 27735 ... 86100 97606 02989 763 21 00000	USB	(Subilo)
S06	6-8	0420	9322	Wed	480 219 34 92000 13723 60721 ... 01817 31133 15773 219 34 480 763 21 73141 28909 27735 ... 86100 97606 02989 763 21 00000	USB	(Subilo)
S06	6-8	0600	11616	Wed	480 219 34	USB	(Lac)
S06	6-8	0620	9322	Wed	480 219 34	USB	(Lac)
S06	7-8	0400	11616	Thu	480 219 34 92000 13723 60721 ... 01817 31133 15773 219 34 480 763 21 73141 28909 27735 ... 86100 97606 02989 763 21 00000	USB	(Subilo)
S06	7-8	0420	9322	Thu	480 219 34 92000 13723 60721 ... 01817 31133 15773 219 34 480 763 21 73141 28909 27735 ... 86100 97606 02989 763 21 00000	USB	(Subilo)
S06	7-8	0600	11616	Thu	480 219 34	USB	(Lac)
S06	7-8	0620	9322	Thu	480 219 34	USB	(Lac)
S06	8-8	0400	11616	Fri	480 (R4) off	USB	(Subilo)
S06	8-8	0420	9322	Fri	480 (R4) off	USB	(Subilo)
S06	11-8	0400	11616	Mon	480 356 60 23999 04988 01724 ... 17297 16662 34188 356 60 00000	USB	(Subilo)
S06	11-8	0420	9322	Mon	480 356 60 23999 04988 01724 ... 17297 16662 34188 356 60 00000	USB	(Subilo)
S06	12-8	0400	11616	Tue	480 356 60 23999 04988 01724 ... 17297 16662 34188 356 60 00000	USB	(Subilo)
S06	12-8	0420	9322	Tue	480 356 60 23999 04988 01724 ... 17297 16662 34188 356 60 00000	USB	(Subilo)
S06	13-8	0400	11616	Wed	480 721 34	USB	(Lac)
S06	13-8	0400	11616	Wed	480 721 34 85430 16271 06087 ... 91418 89294 14719 721 34 480 956 21 50806 82372 44457 ... 06072 77769 18305 956 21 00000	USB	(Subilo)
S06	13-8	0420	9322	Wed	480 721 34	USB	(Lac)

S06	13-8	0420	9322	Wed	480 721 34 85430 16271 06087 ... 91418 89294 14719 721 34 480 956 21 50806 82372 44457 ... 06072 77769 18305 956 21 00000	USB	(Subilo)
S06	14-8	0400	11616	Thu	480 721 34 85430 16271 06087 ... 91418 89294 14719 721 34 480 956 21 50806 82372 44457 ... 06072 77769 18305 956 21 00000	USB	(Subilo)
S06	14-8	0420	9322	Thu	480 721 34 85430 16271 06087 ... 91418 89294 14719 721 34 480 956 21 50806 82372 44457 ... 06072 77769 18305 956 21 00000	USB	(Subilo)
S06	15-8	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	15-8	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	15-8	1900	11149	Fri	842 842 842 00000	USB	(AB)
S06	15-8	2000	9205	Fri	842 842 842 00000	USB	(AB)
S06	18-8	0400	11616	Mon	480 372 54 33689 25442 32286 ... 92750 90309 59570 372 54 00000	USB	(Subilo)
S06	18-8	0420	9322	Mon	480 372 54 33689 25442 32286 ... 92750 90309 59570 372 54 00000	USB	(Subilo)
S06	19-8	0400	11616	Tue	480 372 54 33689 25442 32286 ... 92750 90309 59570 372 54 00000	USB	(Subilo)
S06	19-8	0420	9322	Tue	480 372 54 33689 25442 32286 ... 92750 90309 59570 372 54 00000	USB	(Subilo)
S06	20-8	0400	11616	Wed	480 195 30 36318 97819 46601 ... 70066 18670 62423 195 30 480 637 21 78378 00309 54281 ... 22167 35758 18020 637 21 00000	USB	(Subilo)
S06	20-8	0420	9322	Wed	480 195 30 36318 97819 46601 ... 70066 18670 62423 195 30 480 637 21 78378 00309 54281 ... 22167 35758 18020 637 21 00000	USB	(Subilo/Ringo)
S06	21-8	0400	11616	Thu	480 195 30 36318 97819 46601 ... 70066 18670 62423 195 30 480 637 21 78378 00309 54281 ... 22167 35758 18020 637 21 00000	USB	(Subilo)
S06	21-8	0420	9322	Thu	480 195 30 36318 97819 46601 ... 70066 18670 62423 195 30 480 637 21 78378 00309 54281 ... 22167 35758 18020 637 21 00000	USB	(Subilo)
S06	22-8	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	22-8	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	25-8	0400	11616	Mon	480 251 59 77317 70697 75547 ... 27142 31455 56450 251 59 00000	USB	(Subilo)
S06	25-8	0420	9322	Mon	480 251 59 77317 70697 75547 ... 27142 31455 56450 251 59 00000	USB	(Subilo)
S06	26-8	0400	11616	Tue	480 251 59 77317 70697 75547 ... 27142 31455 56450 251 59 00000	USB	(Subilo)
S06	26-8	0420	9322	Tue	480 251 59 77317 70697 75547 ... 27142 31455 56450 251 59 00000	USB	(Subilo)
S06	27-8	0400	11616	Wed	480 312 29 09737 93134 45776 ... 71468 38528 77657 312 29 480 976 22 71067 84859 96716 ... 01244 50171 21577 976 22 00000	USB	(Subilo)
S06	27-8	0420	9322	Wed	480 312 29 09737 93134 45776 ... 71468 38528 77657 312 29 480 976 22 71067 84859 96716 ... 01244 50171 21577 976 22 00000	USB	(Subilo)
S06	28-8	0400	11616	Thu	480 312 29	USB	(Lac)
S06	28-8	0400	11616	Thu	480 312 29 09737 93134 45776 ... 71468 38528 77657 312 29 480 976 22 71067 84859 96716 ... 01244 50171 21577 976 22 00000	USB	(Subilo)
S06	28-8	0420	9322	Thu	480 312 29	USB	(Lac)
S06	28-8	0420	9322	Thu	480 312 29 09737 93134 45776 ... 71468 38528 77657 312 29 480 976 22 71067 84859 96716 ... 01244 50171 21577 976 22 00000	USB	(Subilo)
S06	29-8	0400	11616	Fri	480 480 480 00000	USB	(Subilo/Lac)
S06	29-8	0420	9322	Fri	480 480 480 00000	USB	(Subilo/Lac)
S11a	4-8	0700	9339	Mon	475/00 Konets	USB	(Lac)
S11a	1-8	0725	18773	Fri	384/00 Konets	USB	(AB)

S11a	1-8	0915	6814	Fri	485/00 Konets	USB	(AB)
S11a	1-8	1400	9448	Fri	421/00 Konets	USB	(AB)
S11a	2-8	0830	5149	Sat	378/00 Konets	USB	(AB)
S11a	2-8	1850	12457	Sat	284/00 Konets	USB	(AB)
S11a	3-8	0830	5149	Sun	379/00 Konets	USB	(AB)
S11a	4-8	0510	16357	Mon	650/00 Konets	USB	(AB)
S11a	4-8	0700	9339	Mon	475/00 Konets	USB	(AB)
S11a	4-8	0915	6814	Mon	487/40 Vnimanije 48867 46909 21778 ... 48883 10548 61808 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	5-8	0445	9968	Tue	793/40 Vnimanije 08819 24754 19805 ... 86553 27306 18892 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	5-8	1400	9448	Tue	426/00 Konets	USB	(AB)
S11a	6-8	0510	16357	Wed	650/00 Konets	USB	(AB/Lac)
S11a	6-8	0725	18773	Wed	389/39 Vnimanije 21761 82320 13019 ... 74818 15826 84920 Vnimanije (msg rptd) Konets	USB	(AB-S/Subilo)
S11a	6-8	1850	12457	Wed	284/00 Konets	USB	(AB)
S11a	7-8	0445	9968	Thu	793/40 Vnimanije 08819 24754 19805 ... 86553 27306 18892 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	7-8	0700	9339	Thu	477/00 Konets	USB	(AB)
S11a	8-8	0725	18773	Fri	389/39 Vnimanije 21761 82320 13019 ... 74818 15826 84920 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	8-8	0915	6814	Fri	487/40 Vnimanije 48867 46909 21778 ... 48883 10548 61808 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	8-8	1400	9448	Fri	420/00 Konets	USB	(AB)
S11a	9-8	0830	5149	Sat	370/00 Konets	USB	(AB)
S11a	9-8	1850	12457	Sat	280/00 Konets	USB	(AB)
S11a	10-8	0830	5149	Sun	372/00 Konets	USB	(AB)
S11a	11-8	0510	16357	Mon	657/00 Konets	USB	(AB)
S11a	11-8	0700	9339	Mon	472/00 Konets	USB	(AB/Lac)
S11a	11-8	0915	6814	Mon	482/00 Konets	USB	(AB)
S11a	12-8	1400	9448	Tue	422/35 Vnimanije 50765 30721 25155 ... 97422 71264 63034 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	13-8	0725	18773	Wed	387/00 Konets	USB	(AB-S)
S11a	13-8	1850	12457	Wed	287/00 Konets	USB	(AB)
S11a	14-8	0445	9968	Thu	794/00 Konets	USB	(AB)
S11a	14-8	0700	9339	Thu	470/00 Konets	USB	(AB)
S11a	15-8	0725	18773	Fri	381/00 Konets	USB	(AB-POL)
S11a	15-8	0915	6814	Fri	485/00 Konets	USB	(AB)
S11a	15-8	1400	9448	Fri	422/35 Vnimanije 50765 30721 25155 ... 97422 71264 63034 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	16-8	0830	5149	Sat	370/33 Vnimanije 86635 84224 70435 ... 32144 54471 97767 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)

S11a	16-8	1850	12457	Sat	280/00 Konets	USB	(AB)
S11a	17-8	0830	5149	Sun	370/33 Vnimanije 86635 84224 70435 ... 32144 54471 97767 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	18-8	0510	16357	Mon	659/00 Konets	USB	(AB)
S11a	18-8	0700	9339	Mon	479/00 Konets	USB	(AB/Lac)
S11a	18-8	0915	6814	Mon	480/00 Konets	USB	(AB/Lac)
S11a	19-8	0445	9968	Tue	797/00 Konets	USB	(AB)
S11a	19-8	1400	9448	Tue	424/00 Konets	USB	(AB/Lac)
S11a	20-8	0510	16357	Wed	659/00 Konets	USB	(AB)
S11a	20-8	1850	12457	Wed	282/40 Vnimanije 24516 37406 23622 ... 75211 53417 15842 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	21-8	0445	9968	Thu	796/00 Konets	USB	(AB)
S11a	21-8	0700	9339	Thu	479/00 Konets	USB	(AB/Lac)
S11a	22-8	0715	18773	Fri	633/00 Konets	USB	(Lac)
S11a	22-8	0725	18773	Fri	381/00 Konets	USB	(AB-POL)
S11a	22-8	0915	6814	Fri	482/00 Konets	USB	(AB)
S11a	22-8	1400	9448	Fri	427/00 Konets	USB	(AB)
S11a	23-8	0830	5149	Sat	373/00 Konets	USB	(AB/Lac)
S11a	23-8	1850	12457	Sat	282/40 Vnimanije 24516 37406 23622 ... 75211 53417 15842 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	24-8	0830	5149	Sun	372/00 Konets	USB	(AB)
S11a	25-8	0510	16357	Mon	656/40 Vnimanije 69035 78900 88608 ... 73662 01647 97863 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	25-8	0700	9339	Mon	476/32 Vnimanije 40291 44745 54836 ... 50591 83045 44328 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	25-8	0915	6814	Mon	482/00 Konets	USB	(AB)
S11a	26-8	0445	9968	Tue	793/00 Konets	USB	(AB)
S11a	26-8	1400	9448	Tue	425/00 Konets	USB	(AB)
S11a	27-8	0510	16357	Wed	656/40 Vnimanije 69035 78900 88608 ... 73662 01647 97863 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	27-8	0725	18773	Wed	387/00 Konets	USB	(AB)
S11a	27-8	1850	12457	Wed	282/00 Konets	USB	(AB/Lac)
S11a	28-8	0445	9968	Thu	797/00 Konets	USB	(AB)
S11a	28-8	0700	9339	Thu	476/32 Vnimanije 40291 44745 54836 ... 50591 83045 44328 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	29-8	0725	18773	Fri	382/00 Konets	USB	(AB-POL/Lac)
S11a	29-8	0915	6814	Fri	487/00 Konets	USB	(AB)
S11a	29-8	1400	9448	Fri	429/00 Konets	USB	(AB)
S11a	30-8	0830	5149	Sat	Test tone. Nothing else heard	USB	(AB)
S11a	30-8	1850	12457	Sat	286/00 Konets	USB	(AB)
S11a	31-8	0830	5149	Sun	371/00 Konets	USB	(AB)
S11a	31-8	0830	5731	Sun	no transmission	USB	(Lac)

UM04	1-8	0700	4735	Fri	VVV VVV PROMRCh = 01 08 = 1000 0730 0760 0870 1370 ... 0800 0690 0720 0830 1190 = AR	USB	(AB-GRC)
UM04	2-8	0700	4735	Sat	VVV VVV PROMRCh = 02 08 = 1000 0730 0760 0860 1370 ... 0800 0690 0720 0830 1190 = AR	CW	(AB-HNG)
UM04	3-8	0700	4735	Sun	VVV VVV PROMRCh = 03 08 = 1000 0730 0760 0870 1370 ... 0800 0690 0720 0830 1190 = AR	CW	(AB-HNG)
UM04	4-8	0700	4735	Mon	VVV VVV PROMRCh = 04 08 = 1000 0740 0760 0870 1360 ... 0800 0690 0730 0830 1190 = AR	CW	(Subilo)
UM04	5-8	0700	4735	Tue	VVV VVV PROMRCh = 05 08 = 1000 0740 0770 0880 1360 ... 0800 0700 0730 0840 1190 = AR	USB	(AB)
UM04	6-8	0700	4735	Wed	VVV VVV PROMRCh = 06 08 = 1000 0740 0770 0880 1360 ... 0800 0700 0730 0850 1180 = AR	CW	(AB-HNG)
UM04	7-8	0700	4735	Thu	VVV VVV PROMRCh = 07 08 = 1000 0740 0760 0870 1350 ... 0800 0700 0730 0840 1180 = AR	CW	(AB-GRC)
UM04	8-8	0700	4735	Fri	VVV VVV RROMRCh = 08 08 = 1000 0740 0760 0880 1350 ... 0800 0700 0730 0840 1190 = AR	USB	(AB-GRC)
UM04	9-8	0700	4735	Sat	VVV VVV PROMRCh = 09 08 = 1000 0740 0770 0880 1340 ... 0800 0700 0730 0840 1180 = AR	CW	(AB-HNG)
UM04	10-8	0659	4735	Sun	VVV VVV PROMRCh = 10 08 = 1000 0740 0770 0880 1340 ... 0800 0700 0740 0850 1190 = AR	CW	(AB-GRC)
UM04	11-8	0701	4735	Mon	VVV VVV PROMRCh = 11 08 = 1000 0740 0770 0880 1340 ... 0800 0700 0730 0840 1190 = AR	CW	(AB-GRC)
UM04	12-8	0700	4735	Tue	VVV VVV PROMRCh = 12 08 = 1000 0740 0770 0880 1340 ... 0800 0700 0730 0840 1190 = AR	USB	(AB)
UM04	13-8	0700	4735	Wed	VVV VVV PROMRCh = 13 08 = 1000 0730 0770 0880 1320 ... 0800 0690 0730 0840 1180 = AR	CW	(AB-GRC)
UM04	14-8	0700	4735	Thu	VVV VVV PROMRCh = 14 08 = 1000 0730 0760 0880 1330 ... 0800 0690 0730 0840 1190 = AR	CW	(AB-GRC)
UM04	15-8	0700	4735	Fri	VVV VVV PROMRCh = 15 08 = 1000 0740 0770 0880 1320 ... 0800 0700 0730 0850 1190 = AR	USB	(AB-GRC)
UM04	16-8	0659	4735	Sat	VVV VVV PROMRCh = 16 08 = 1000 0740 0770 0880 1320 ... 0800 0700 0730 0840 1190 = AR	CW	(AB-HNG)
UM04	17-8	0659	4735	Sun	VVV VVV PROMRCh = 17 08 = 1000 0740 0780 0890 1320 ... 0800 0700 0730 0850 1200 = AR	CW	(AB-GRC)
UM04	18-8	0700	4735	Mon	VVV VVV PROMRCh = 18 08 = 1000 0740 0770 0890 1310 ... 0800 0700 0730 0850 1200 = AR	CW	(AB-GRC)
UM04	19-8	0700	4735	Tue	VVV VVV PROMRCh = 19 08 = 1000 0740 0770 0890 1310 ... 0800 0700 0730 0850 1200 = AB	USB	(AB)
UM04	20-8	0700	4735	Wed	No transmission	CW	(AB-GRC)
UM04	21-8	0700	4735	Thu	No transmission	CW	(AB-GRC)
UM04	22-8	0700	4735	Fri	VVV VVV PROMRCh = 22 08 = 1000 0750 0780 0900 1300 ... 0800 0700 0730 0850 1210 = AR	USB	(AB-GRC)
UM04	23-8	0700	4735	Sat	VVV VVV PROMRCh = 23 08 = 1000 0750 0780 0900 1300 ... 0800 0700 0730 0850 1200 = AR	CW	(AB-HNG)
UM04	24-8	0700	4735	Sun	VVV VVV PROMRCh = 24 08 = 1000 0740 0780 0900 1300 ... 0800 0700 0730 0850 1200 = AR	CW	(AB-GRC)
UM04	25-8	0700	4735	Mon	VVV VVV PROMRCh = 25 08 = 1000 0750 0780 0900 1300 ... 0800 0690 0730 0840 1200 = AR	CW	(AB-GRC)
UM04	26-8	0700	4735	Tue	VVV VVV PROMRCh = 26 08 = 1000 0760 0790 0910 1300 ... 0800 0700 0730 0850 1200 = AR	USB	(AB)
UM04	27-8	0659	4735	Wed	VVV VVV PROMRCh = 27 08 = 1000 0760 0800 0910 1300 ... 0800 0700 0740 0850 1210 Tone	CW	(AB-GRC)
UM04	28-8	0700	4735	Thu	VVV VVV PROMRCh = 28 08 = 1000 0770 0800 0920 1300 ... 0800 0710 0740 0860 1220 = AR	CW	(AB-GRC)
UM04	29-8	0700	4735	Fri	VVV VVV PROMRCh = 29 08 = 1000 0770 0800 0920 1300 ... 0800 0710 0740 0860 1220 = AR	USB	(AB-GRC)
UM04	31-8	0659	4735	Sun	VVV VVV PROMRCh = 31 08 = 1000 0790 0820 0940 1300 ... 0800 0720 0760 0870 1230 = AR	CW	(AB-GRC)
V07	3-8	0700	13408	Sun	425 425 425 000	USB	(AB-KOR/HFD-USA/Lac)
V07	3-8	0720	12208	Sun	425 425 425 000	USB	(AB-KOR/HFD-USA/Lac)
V07	10-8	0700	13408	Sun	425 425 425 1 9705 84 9705 84 63540 34954 55475 ... 76188 24396 37867 000 000	USB	(AB-KOR/Lac)
V07	10-8	0720	12208	Sun	425 425 425 1 9705 84 9705 84 63540 34954 55475 ... 76188 24396 37867 000 000	USB	(AB-KOR/Lac)
V07	10-8	0740	11508	Sun	425 425 425 1 9705 84 9705 84 63540 34954 55475 ... 76188 24396 37867 000 000	USB	(AB-KOR/Lac)
V07	17-8	0700	13408	Sun	425 425 425 1 5379 98 5379 98 97148 70854 63443 ... 66023 15297 01111 000 000	USB	(AB-KOR/Lac)
V07	17-8	0720	12208	Sun	425 425 425 1 5379 98 5379 98 97148 70854 63443 ... 66023 15297 01111 000 000	USB	(AB-KOR/Lac)
V07	17-8	0740	11508	Sun	425 425 425 1 5379 98 5379 98 97148 70854 63443 ... 66023 15297 01111 000 000	USB	(AB-KOR/Lac)
V07	24-8	0700	13408	Sun	425 425 425 000	USB	(AB-KOR/Lac)
V07	24-8	0720	12208	Sun	425 425 425 000	USB	(AB-KOR/Lac)
V07	31-8	0700	13408	Sun	425 425 425 1 1934 124 1934 124 17197 19590 68677... 28212 26964 40435 000 000	USB	(AB-KOR/Lac)
V07	31-8	0720	12208	Sun	425 425 425 1 1934 124 1934 124 17197 19590 68677... 28212 26964 40435 000 000	USB	(AB-KOR/Lac)

V07	31-8	0740	11508	Sun	425 425 425 1 1934 124 1934 124 17197 19590 68677... 28212 26964 40435 000 000	USB	(AB-KOR/Lac)
V13	4-8	0030	18040	Mon	New Star Broadcasting. Station 4. Messages to units 0348, 5398, 9458	USB	(FSpy)
V13	4-8	0100	21000	Mon	New Star Broadcasting. Station 1. Messages to units 4443, 8918, 9692	USB	(FSpy)
V13	10-8	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0440, 2658, 9580	USB	(FSpy)
V13	10-8	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1122, 1424, 8466	USB	(FSpy)
V13	12-8	0030	19052	Tue	New Star Broadcasting. Station 1. Messages to units 2134, 3224, 7664	USB	(FSpy)
V13	15-8	0200	8300	Fri	New Star Broadcasting. Station 2. Messages to units 2415, 3422, 4842	USB	(FSpy)
V13	17-8	0100	18040	Sun	New Star Broadcasting. Station 3. Messages to units 0269, 1243, 5868	USB	(FSpy)
V13	17-8	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 4631, 6225, 8404	USB	(FSpy)
V13	18-8	0200	8169	Mon	New Star Broadcasting. Station 1. Messages to units 2063, 4970, 5442	USB	(FSpy)
V13	21-8	0300	9276	Thu	New Star Broadcasting. Station 2. Messages to units 3142, 3582, 5414	USB	(FSpy)
V13	24-8	0030	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0416, 3614, 8493	USB	(FSpy)
V13	24-8	1000	17000	Sun	New Star Broadcasting. Station 2. Messages to units 2125, 2585, 5571	USB	(FSpy)
V13	25-8	0100	20025	Mon	New Star Broadcasting. Station 4. Messages to units 2517, 9180, 9827	USB	(FSpy)
V13	26-8	0200	8169	Tue	New Star Broadcasting. Station 1. Messages to units 4477, 5270, 7829	USB	(FSpy)
V13a	4-8	0000	15890	Mon	New Star Broadcasting. Station 3. Messages to units 0347, 1226, 1585, 2681, 5260, 99	USB	(FSpy)
X--	12-8	0839	16153	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	19-8	1519	13891	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X06	4-8	1125	12100	Mon	654321	MFSK-6	(T101)
X06	4-8	1541	12178	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(T101)
X06	5-8	0835	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	5-8	0841	17454	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	6-8	0637	13838	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(RO)
X06	6-8	1114	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	6-8	1116	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	7-8	0655	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	7-8	0803	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/Moon)
X06	7-8	0940	20837	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(RO)
X06	7-8	1004	16264	Thu	332255	MFSK-6	(RO)
X06	7-8	1011	16264	Thu	111666	MFSK-6	(RO)
X06	10-8	0841	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(AB)
X06	11-8	0932	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06	12-8	0804	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/Moon)
X06	12-8	0819	14861	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06	15-8	1315	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(T101)
X06	15-8	1325	18400	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(T101)
X06	18-8	0754	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB)
X06	18-8	1518	14845	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(AB)
X06	19-8	0847	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB/Moon)
X06	20-8	1113	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	21-8	0717	17517	Thu	314265	USB	(Lac)
X06	21-8	1528	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB/linkz/Rycat/T101)

X06	24-8	1035	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(Moon)
X06	25-8	0825	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Moon)
X06	26-8	0810	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06c	25-8	1609	14450	Mon	654321	MFSK-6	(AB)
XPA1	1-8	1210	13491	Fri	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	1-8	1230	12191	Fri	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	1-8	1250	10691	Fri	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	6-8	1210	13491	Wed	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB/HFD)
XPA1	6-8	1230	12191	Wed	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB/HFD)
XPA1	6-8	1250	10691	Wed	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB/HFD)
XPA1	8-8	1210	13491	Fri	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	8-8	1230	12191	Fri	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	8-8	1250	10691	Fri	416 416 416 1 03037 00416 90962 ... 88342 70331 00715	MFSK-20/10Bd	(AB)
XPA1	13-8	1210	13491	Wed	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	13-8	1230	12191	Wed	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	13-8	1250	10691	Wed	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	15-8	1210	13491	Fri	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	15-8	1230	12191	Fri	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	15-8	1250	10691	Fri	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	20-8	1210	13491	Wed	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	20-8	1230	12191	Wed	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	20-8	1250	10691	Wed	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	22-8	1210	13491	Fri	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	22-8	1230	12191	Fri	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	22-8	1250	10691	Fri	416 416 416 1 00300 00662 76484 ... 56726 28117 00321	MFSK-20/10Bd	(AB)
XPA1	27-8	1210	13491	Wed	416 416 416 1 02401 00788 83183 ... 90819 46623 04755	MFSK-20/10Bd	(AB)
XPA1	27-8	1230	12191	Wed	416 416 416 1 02401 00788 83183 ... 90819 46623 04755	MFSK-20/10Bd	(AB)
XPA1	27-8	1250	10691	Wed	416 416 416 1 02401 00788 83183 ... 90819 46623 04755	MFSK-20/10Bd	(AB)
XPA1	29-8	1210	13491	Fri	416 416 416 1 02401 00788 83183 ... 90819 46623 04755	MFSK-20/10Bd	(AB)
XPA1	29-8	1230	12191	Fri	416 416 416 1 02401 00788 83183 ... 90819 46623 04755	MFSK-20/10Bd	(AB)
XPA1	29-8	1250	10691	Fri	416 416 416 1 02401 00788 83183 ... 90819 46623 04755	MFSK-20/10Bd	(AB)
XPA2	1-8	1100	13887	Fri	01028 00389 91151 ... 86244 33609 43424	MFSK-16/20Bd	(AB/HFD)
XPA2	1-8	1120	12187	Fri	01028 00389 91151 ... 86244 33609 43424	MFSK-16/20Bd	(AB/HFD)
XPA2	1-8	1140	10387	Fri	01028 00389 91151 ... 86244 33609 43424	MFSK-16/20Bd	(AB/HFD)
XPA2	1-8	1800	15884	Fri	00815 00098 28568 ... 90862 24046 27624	MFSK-16/20Bd	(AB)
XPA2	1-8	1820	14684	Fri	00815 00098 28568 ... 90862 24046 27624	MFSK-16/20Bd	(AB)
XPA2	1-8	1840	13484	Fri	00815 00098 28568 ... 90862 24046 27624	MFSK-16/20Bd	(AB)
XPA2	2-8	0900	18376	Sat	00786 00201 49269 ... 80676 04150 50407	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	0920	17431	Sat	00786 00201 49269 ... 80676 04150 50407	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	0940	16184	Sat	00786 00201 49269 ... 80676 04150 50407	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	1500	13825	Sat	04634 00177 78598 ... 27067 19191 12522	MFSK-16/20Bd	(AB/HFD)
XPA2	2-8	1520	12125	Sat	04634 00177 78598 ... 27067 19191 12522	MFSK-16/20Bd	(AB/HFD)

XPA2	2-8	1540	11025	Sat	04634 00177 78598 ... 27067 19191 12522	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0700	12152	Mon	04152 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0720	13552	Mon	04152 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0740	13952	Mon	04152 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	4-8	0910	19597	Mon	07124 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	4-8	1500	13825	Mon	03250 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	4-8	1520	12125	Mon	03250 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	4-8	1540	11025	Mon	03250 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	5-8	0700	9193	Tue	01862 00134 33867 ... 29238 56356 23002	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0710	10559	Tue	01862 00134 33867 ... 29238 56356 23002	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0720	11504	Tue	01862 00134 33867 ... 29238 56356 23002	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0730	12141	Tue	01862 00134 33867 ... 29238 56356 23002	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0740	13526	Tue	01862 00134 33867 ... 29238 56356 23002	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0750	14396	Tue	01862 00134 33867 ... 29238 56356 23002	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0900	9193	Tue	04887 00130 70683 ... 69165 83313 26777	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0910	10559	Tue	04887 00130 70683 ... 69165 83313 26777	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0920	11504	Tue	04887 00130 70683 ... 69165 83313 26777	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0930	12141	Tue	04887 00130 70683 ... 69165 83313 26777	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0940	13526	Tue	04887 00130 70683 ... 69165 83313 26777	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	0950	14396	Tue	04887 00130 70683 ... 69165 83313 26777	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1100	13887	Tue	08905 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	5-8	1120	12187	Tue	08905 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	5-8	1140	10387	Tue	08905 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	5-8	1200	9193	Tue	04883 00137 78015 ... 64938 76396 16603	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1210	10559	Tue	04883 00137 78015 ... 64938 76396 16603	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1220	11504	Tue	04883 00137 78015 ... 64938 76396 16603	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1230	12141	Tue	04883 00137 78015 ... 64938 76396 16603	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1240	13526	Tue	04883 00137 78015 ... 64938 76396 16603	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1250	14396	Tue	04883 00137 78015 ... 64938 76396 16603	MFSK-16/20Bd	(AB/PY)
XPA2	5-8	1700	19164	Tue	07046 00001 00000 34262	MFSK-12/20Bd	(AB)
XPA2	5-8	1720	18239	Tue	07046 00001 00000 34262	MFSK-12/20Bd	(AB)
XPA2	5-8	1740	17451	Tue	07046 00001 00000 34262	MFSK-12/20Bd	(AB)
XPA2	6-8	0700	12152	Wed	05598 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	6-8	0700	9193	Wed	07717 00126 16300 ... 06657 50500 16663	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0710	10559	Wed	07717 00126 16300 ... 06657 50500 16663	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0720	13552	Wed	05598 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	6-8	0720	11504	Wed	07717 00126 16300 ... 06657 50500 16663	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0730	12141	Wed	07717 00126 16300 ... 06657 50500 16663	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0740	13952	Wed	05598 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	6-8	0740	13526	Wed	07717 00126 16300 ... 06657 50500 16663	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0750	14396	Wed	07717 00126 16300 ... 06657 50500 16663	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0900	9193	Wed	09071 00122 06988 ... 72653 63196 31226	MFSK-16/20Bd	(AB/PY)

XPA2	6-8	0910	19597	Wed	05105 00001 00000 34255	MFSK-16/20Bd	(AB/HFD)
XPA2	6-8	0910	10559	Wed	09071 00122 06988 ... 72653 63196 31226	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0920	11504	Wed	09071 00122 06988 ... 72653 63196 31226	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0930	18173	Wed	05105 00001 00000 34255	MFSK-16/20Bd	(AB/HFD)
XPA2	6-8	0930	12141	Wed	09071 00122 06988 ... 72653 63196 31226	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0940	13526	Wed	09071 00122 06988 ... 72653 63196 31226	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	0950	17472	Wed	05105 00001 00000 34255	MFSK-16/20Bd	(AB/HFD)
XPA2	6-8	0950	14396	Wed	09071 00122 06988 ... 72653 63196 31226	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1100	16264	Wed	05546 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	6-8	1120	15864	Wed	05546 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	6-8	1140	14864	Wed	05546 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	6-8	1200	9193	Wed	09109 00121 59636 ... 24631 21994 73463	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1210	10559	Wed	09109 00121 59636 ... 24631 21994 73463	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1220	11504	Wed	09109 00121 59636 ... 24631 21994 73463	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1230	12141	Wed	09109 00121 59636 ... 24631 21994 73463	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1240	13526	Wed	09109 00121 59636 ... 24631 21994 73463	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1250	14396	Wed	09109 00121 59636 ... 24631 21994 73463	MFSK-16/20Bd	(AB/PY)
XPA2	6-8	1800	15884	Wed	06031 00001 00000 31661	MFSK-16/20Bd	(AB/HFD)
XPA2	6-8	1820	14684	Wed	06031 00001 00000 31661	MFSK-16/20Bd	(AB/HFD)
XPA2	6-8	1840	13484	Wed	06031 00001 00000 31661	MFSK-16/20Bd	(AB/HFD)
XPA2	7-8	0700	9193	Thu	04732 00127 37019 ... 12481 66009 00445	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0710	10559	Thu	04732 00127 37019 ... 12481 66009 00445	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0720	11504	Thu	04732 00127 37019 ... 12481 66009 00445	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0730	12141	Thu	04732 00127 37019 ... 12481 66009 00445	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0740	13526	Thu	04732 00127 37019 ... 12481 66009 00445	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0750	14396	Thu	04732 00127 37019 ... 12481 66009 00445	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0900	18376	Thu	09627 00001 00000 37663	MFSK-16/20Bd	(AB)
XPA2	7-8	0900	9193	Thu	04451 00120 26321 ... 41282 75727 45667	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0910	10559	Thu	04451 00120 26321 ... 41282 75727 45667	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0920	17431	Thu	09627 00001 00000 37663	MFSK-16/20Bd	(AB)
XPA2	7-8	0920	11504	Thu	04451 00120 26321 ... 41282 75727 45667	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0930	12141	Thu	04451 00120 26321 ... 41282 75727 45667	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0940	16184	Thu	09627 00001 00000 37663	MFSK-16/20Bd	(AB)
XPA2	7-8	0940	13526	Thu	04451 00120 26321 ... 41282 75727 45667	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	0950	14396	Thu	04451 00120 26321 ... 41282 75727 45667	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	1100	16264	Thu	01889 00001 00000 42261	MFSK-16/20Bd	(AB/HFD)
XPA2	7-8	1120	15864	Thu	01889 00001 00000 42261	MFSK-16/20Bd	(AB/HFD)
XPA2	7-8	1140	14864	Thu	01889 00001 00000 42261	MFSK-16/20Bd	(AB/HFD)
XPA2	7-8	1200	9193	Thu	06009 00132 56871 ... 14800 96183 75766	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	1210	10559	Thu	06009 00132 56871 ... 14800 96183 75766	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	1220	11504	Thu	06009 00132 56871 ... 14800 96183 75766	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	1230	12141	Thu	06009 00132 56871 ... 14800 96183 75766	MFSK-16/20Bd	(AB/PY)

XPA2	7-8	1240	13526	Thu	06009 00132 56871 ... 14800 96183 75766	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	1250	14396	Thu	06009 00132 56871 ... 14800 96183 75766	MFSK-16/20Bd	(AB/PY)
XPA2	7-8	1700	19164	Thu	02979 00001 00000 42261	MFSK-12/20Bd	(AB)
XPA2	7-8	1720	18239	Thu	02979 00001 00000 42261	MFSK-12/20Bd	(AB)
XPA2	7-8	1740	17451	Thu	02979 00001 00000 42261	MFSK-12/20Bd	(AB)
XPA2	8-8	0700	9193	Fri	01161 00129 39481 ... 08316 27110 35110	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0710	10559	Fri	01161 00129 39481 ... 08316 27110 35110	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0720	11504	Fri	01161 00129 39481 ... 08316 27110 35110	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0730	12141	Fri	01161 00129 39481 ... 08316 27110 35110	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0740	13526	Fri	01161 00129 39481 ... 08316 27110 35110	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0750	14396	Fri	01161 00129 39481 ... 08316 27110 35110	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0900	9193	Fri	03856 00126 37475 ... 00587 51434 76275	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0910	10559	Fri	03856 00126 37475 ... 00587 51434 76275	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0920	11504	Fri	03856 00126 37475 ... 00587 51434 76275	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0930	12141	Fri	03856 00126 37475 ... 00587 51434 76275	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0940	13526	Fri	03856 00126 37475 ... 00587 51434 76275	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	0950	14396	Fri	03856 00126 37475 ... 00587 51434 76275	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1100	13887	Fri	03556 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-8	1120	12187	Fri	03556 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-8	1140	10387	Fri	03556 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-8	1200	9193	Fri	04476 00120 54667 ... 51260 84214 42311	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1210	10559	Fri	04476 00120 54667 ... 51260 84214 42311	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1220	11504	Fri	04476 00120 54667 ... 51260 84214 42311	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1230	12141	Fri	04476 00120 54667 ... 51260 84214 42311	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1240	13526	Fri	04476 00120 54667 ... 51260 84214 42311	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1250	14396	Fri	04476 00120 54667 ... 51260 84214 42311	MFSK-16/20Bd	(AB/PY)
XPA2	8-8	1800	15884	Fri	03158 00001 0000 35660	MFSK-16/20Bd	(AB)
XPA2	8-8	1820	14684	Fri	03158 00001 0000 35660	MFSK-16/20Bd	(AB)
XPA2	8-8	1840	13484	Fri	03158 00001 0000 35660	MFSK-16/20Bd	(AB)
XPA2	9-8	0900	18376	Sat	04480 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	9-8	0920	17431	Sat	04480 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	9-8	0940	16184	Sat	04480 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	9-8	1500	13825	Sat	01898 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	9-8	1520	12125	Sat	01898 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	9-8	1540	11025	Sat	01898 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	11-8	0700	12152	Mon	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	11-8	0720	13552	Mon	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	11-8	0740	13952	Mon	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	11-8	0910	19597	Mon	00429 00525 50799 ... 13282 18650 62361	MFSK-16/20Bd	(AB)
XPA2	11-8	0930	18173	Mon	00429 00525 50799 ... 13282 18650 62361	MFSK-16/20Bd	(AB)
XPA2	11-8	0950	17472	Mon	00429 00525 50799 ... 13282 18650 62361	MFSK-16/20Bd	(AB)
XPA2	11-8	1500	13825	Mon	00155 00105 88386 ... 96779 05349 01666	MFSK-16/20Bd	(AB)

XPA2	11-8	1520	12125	Mon	00155 00105 88386 ... 96779 05349 01666	MFSK-16/20Bd	(AB)
XPA2	11-8	1540	11025	Mon	00155 00105 88386 ... 96779 05349 01666	MFSK-16/20Bd	(AB)
XPA2	12-8	0915	9193	Tue	03104 00122 58003 ... 04528 88150 64307	MFSK-16/20Bd	(PY)
XPA2	12-8	0925	10559	Tue	03104 00122 58003 ... 04528 88150 64307	MFSK-16/20Bd	(PY)
XPA2	12-8	0935	11504	Tue	03104 00122 58003 ... 04528 88150 64307	MFSK-16/20Bd	(PY)
XPA2	12-8	0945	12141	Tue	03104 00122 58003 ... 04528 88150 64307	MFSK-16/20Bd	(PY)
XPA2	12-8	0955	13526	Tue	03104 00122 58003 ... 04528 88150 64307	MFSK-16/20Bd	(PY)
XPA2	12-8	1005	14396	Tue	03104 00122 58003 ... 04528 88150 64307	MFSK-16/20Bd	(PY)
XPA2	12-8	1100	13887	Tue	03121 00706 01165 ... 12674 13093 63514	MFSK-16/20Bd	(AB)
XPA2	12-8	1120	12187	Tue	03121 00706 01165 ... 12674 13093 63514	MFSK-16/20Bd	(AB)
XPA2	12-8	1140	10387	Tue	03121 00706 01165 ... 12674 13093 63514	MFSK-16/20Bd	(AB)
XPA2	12-8	1700	19164	Tue	06534 00175 64274 ... 08872 89294 23565	MFSK-12/20Bd	(AB)
XPA2	12-8	1720	18239	Tue	06534 00175 64274 ... 08872 89294 23565	MFSK-12/20Bd	(AB)
XPA2	12-8	1740	17451	Tue	06534 00175 64274 ... 08872 89294 23565	MFSK-12/20Bd	(AB)
XPA2	13-8	0700	12152	Wed	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	13-8	0720	13552	Wed	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	13-8	0740	13952	Wed	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	13-8	0910	19597	Wed	00429 00525 50799 ... 13282 18650 62361	MFSK-16/20Bd	(AB)
XPA2	13-8	0930	18173	Wed	00429 00525 50799 ... 13282 18650 62361	MFSK-16/20Bd	(AB)
XPA2	13-8	0950	17472	Wed	00429 00525 50799 ... 13282 18650 62361	MFSK-16/20Bd	(AB)
XPA2	13-8	1100	16264	Wed	08060 00001 00000 31266	MFSK-16/20Bd	(AB)
XPA2	13-8	1120	15864	Wed	08060 00001 00000 31266	MFSK-16/20Bd	(AB)
XPA2	13-8	1140	14864	Wed	08060 00001 00000 31266	MFSK-16/20Bd	(AB)
XPA2	13-8	1800	15884	Wed	01414 00001 00000 34252	MFSK-16/20Bd	(AB)
XPA2	13-8	1820	14684	Wed	01414 00001 00000 34252	MFSK-16/20Bd	(AB)
XPA2	13-8	1840	13484	Wed	01414 00001 00000 34252	MFSK-16/20Bd	(AB)
XPA2	14-8	0900	18376	Thu	02867 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	14-8	0920	17431	Thu	02867 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	14-8	0940	16184	Thu	02867 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	14-8	1100	16264	Thu	07276 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	14-8	1120	15864	Thu	07276 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	14-8	1140	14864	Thu	07276 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	14-8	1700	19164	Thu	06534 00175 64274 ... 08872 89294 23565	MFSK-12/20Bd	(AB)
XPA2	14-8	1720	18239	Thu	06534 00175 64274 ... 08872 89294 23565	MFSK-12/20Bd	(AB)
XPA2	14-8	1740	17451	Thu	06534 00175 64274 ... 08872 89294 23565	MFSK-12/20Bd	(AB)
XPA2	15-8	1100	13887	Fri	03121 00706 01165 ... 12674 13093 63514	MFSK-16/20Bd	(AB)
XPA2	15-8	1120	12187	Fri	03121 00706 01165 ... 12674 13093 63514	MFSK-16/20Bd	(AB)
XPA2	15-8	1140	10387	Fri	03121 00706 01165 ... 12674 13093 63514	MFSK-16/20Bd	(AB)
XPA2	15-8	1800	15884	Fri	02891 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	15-8	1820	14684	Fri	02891 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	15-8	1840	13484	Fri	02891 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	16-8	0900	18376	Sat	02010 00001 00000 31253	MFSK-16/20Bd	(AB)

XPA2	16-8	0920	17431	Sat	02010 00001 00000 31253	MFSK-16/20Bd	(AB)
XPA2	16-8	0940	16184	Sat	02010 00001 00000 31253	MFSK-16/20Bd	(AB)
XPA2	16-8	1500	13825	Sat	00155 00105 88386 ... 96779 05349 01666	MFSK-16/20Bd	(AB)
XPA2	16-8	1520	12125	Sat	00155 00105 88386 ... 96779 05349 01666	MFSK-16/20Bd	(AB)
XPA2	16-8	1540	11025	Sat	00155 00105 88386 ... 96779 05349 01666	MFSK-16/20Bd	(AB)
XPA2	18-8	0700	12152	Mon	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	18-8	0720	13552	Mon	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	18-8	0740	13952	Mon	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	18-8	0910	19597	Mon	00540 00327 63306 ... 44910 57010 23106	MFSK-16/20Bd	(AB)
XPA2	18-8	0930	18173	Mon	00540 00327 63306 ... 44910 57010 23106	MFSK-16/20Bd	(AB)
XPA2	18-8	0950	17472	Mon	00540 00327 63306 ... 44910 57010 23106	MFSK-16/20Bd	(AB)
XPA2	18-8	1500	13825	Mon	08352 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	18-8	1520	12125	Mon	08352 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	18-8	1540	11025	Mon	08352 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	19-8	1100	13887	Tue	08389 00360 11445 ... 69689 42590 43050	MFSK-16/20Bd	(AB)
XPA2	19-8	1120	12187	Tue	08389 00360 11445 ... 69689 42590 43050	MFSK-16/20Bd	(AB)
XPA2	19-8	1140	10387	Tue	08389 00360 11445 ... 69689 42590 43050	MFSK-16/20Bd	(AB)
XPA2	19-8	1700	19164	Tue	01835 00001 00000 37654	MFSK-12/20Bd	(AB)
XPA2	19-8	1720	18239	Tue	01835 00001 00000 37654	MFSK-12/20Bd	(AB)
XPA2	19-8	1740	17451	Tue	01835 00001 00000 37654	MFSK-12/20Bd	(AB)
XPA2	20-8	0700	12152	Wed	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	20-8	0720	13552	Wed	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	20-8	0740	13952	Wed	09653 00238 31130 ... 85230 67297 66244	MFSK-16/20Bd	(AB)
XPA2	20-8	0910	19597	Wed	00540 00327 63306 ... 44910 57010 23106	MFSK-16/20Bd	(AB)
XPA2	20-8	0930	18173	Wed	00540 00327 63306 ... 44910 57010 23106	MFSK-16/20Bd	(AB)
XPA2	20-8	0950	17472	Wed	00540 00327 63306 ... 44910 57010 23106	MFSK-16/20Bd	(AB)
XPA2	20-8	1100	16264	Wed	00450 00758 92531 ... 46897 41047 35035	MFSK-16/20Bd	(AB)
XPA2	20-8	1120	15864	Wed	00450 00758 92531 ... 46897 41047 35035	MFSK-16/20Bd	(AB)
XPA2	20-8	1140	14864	Wed	00450 00758 92531 ... 46897 41047 35035	MFSK-16/20Bd	(AB)
XPA2	20-8	1500	14396	Wed	07170 00083 77854 ... 97877 78598 36252	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1510	13432	Wed	07170 00083 77854 ... 97877 78598 36252	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1520	12141	Wed	07170 00083 77854 ... 97877 78598 36252	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1600	14396	Wed	06641 00092 61844 ... 08796 52668 57161	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1610	13432	Wed	06641 00092 61844 ... 08796 52668 57161	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1620	12141	Wed	06641 00092 61844 ... 08796 52668 57161	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1700	14396	Wed	05636 00090 89143 ... 49288 17243 21521	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1710	13432	Wed	05636 00090 89143 ... 49288 17243 21521	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1720	12141	Wed	05636 00090 89143 ... 49288 17243 21521	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1800	15884	Wed	00220 00145 90490 ... 63487 32556 53737	MFSK-16/20Bd	(AB)
XPA2	20-8	1800	14396	Wed	07180 00093 33002 ... 68133 95082 11757	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1810	13432	Wed	07180 00093 33002 ... 68133 95082 11757	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1820	14684	Wed	00220 00145 90490 ... 63487 32556 53737	MFSK-16/20Bd	(AB)

XPA2	20-8	1820	12141	Wed	07180 00093 33002 ... 68133 95082 11757	MFSK-16/20Bd	(AB/PY)
XPA2	20-8	1840	13484	Wed	00220 00145 90490 ... 63487 32556 53737	MFSK-16/20Bd	(AB)
XPA2	21-8	0900	18376	Thu	06660 00588 77212 ... 97013 07981 26276	MFSK-16/20Bd	(AB)
XPA2	21-8	0920	17431	Thu	06660 00588 77212 ... 97013 07981 26276	MFSK-16/20Bd	(AB)
XPA2	21-8	0940	16184	Thu	06660 00588 77212 ... 97013 07981 26276	MFSK-16/20Bd	(AB)
XPA2	21-8	1100	16264	Thu	00450 00758 92531 ... 46897 41047 35035	MFSK-16/20Bd	(AB)
XPA2	21-8	1120	15864	Thu	00450 00758 92531 ... 46897 41047 35035	MFSK-16/20Bd	(AB)
XPA2	21-8	1140	14864	Thu	00450 00758 92531 ... 46897 41047 35035	MFSK-16/20Bd	(AB)
XPA2	21-8	1700	19164	Thu	01002 00001 00000 32260	MFSK-12/20Bd	(AB)
XPA2	21-8	1720	18239	Thu	01002 00001 00000 32260	MFSK-12/20Bd	(AB)
XPA2	21-8	1740	17451	Thu	01002 00001 00000 32260	MFSK-12/20Bd	(AB)
XPA2	22-8	1100	13887	Fri	08389 00360 11445 ... 69689 42590 43050	MFSK-16/20Bd	(AB)
XPA2	22-8	1120	12187	Fri	08389 00360 11445 ... 69689 42590 43050	MFSK-16/20Bd	(AB)
XPA2	22-8	1140	10387	Fri	08389 00360 11445 ... 69689 42590 43050	MFSK-16/20Bd	(AB)
XPA2	22-8	1200	9338	Fri	02165 00134 64181 ... 60741 83521 55671	MFSK-16/20Bd	(PY)
XPA2	22-8	1210	10427	Fri	02165 00134 64181 ... 60741 83521 55671	MFSK-16/20Bd	(PY)
XPA2	22-8	1220	11574	Fri	02165 00134 64181 ... 60741 83521 55671	MFSK-16/20Bd	(PY)
XPA2	22-8	1230	10643	Fri	02165 00134 64181 ... 60741 83521 55671	MFSK-16/20Bd	(PY)
XPA2	22-8	1240	11431	Fri	02165 00134 64181 ... 60741 83521 55671	MFSK-16/20Bd	(PY)
XPA2	22-8	1250	12158	Fri	02165 00134 64181 ... 60741 83521 55671	MFSK-16/20Bd	(PY)
XPA2	22-8	1300	9338	Fri	05844 00128 01936 ... 01131 38150 36723	MFSK-16/20Bd	(PY)
XPA2	22-8	1310	10427	Fri	05844 00128 01936 ... 01131 38150 36723	MFSK-16/20Bd	(PY)
XPA2	22-8	1320	11574	Fri	05844 00128 01936 ... 01131 38150 36723	MFSK-16/20Bd	(PY)
XPA2	22-8	1330	10643	Fri	05844 00128 01936 ... 01131 38150 36723	MFSK-16/20Bd	(PY)
XPA2	22-8	1340	11431	Fri	05844 00128 01936 ... 01131 38150 36723	MFSK-16/20Bd	(PY)
XPA2	22-8	1350	12158	Fri	05844 00128 01936 ... 01131 38150 36723	MFSK-16/20Bd	(PY)
XPA2	22-8	1800	15884	Fri	00220 00145 90490 ... 63487 32556 53737	MFSK-16/20Bd	(AB)
XPA2	22-8	1820	14684	Fri	00220 00145 90490 ... 63487 32556 53737	MFSK-16/20Bd	(AB)
XPA2	22-8	1840	13484	Fri	00220 00145 90490 ... 63487 32556 53737	MFSK-16/20Bd	(AB)
XPA2	23-8	0900	18376	Sat	06660 00588 77212 ... 97013 07981 26276	MFSK-16/20Bd	(AB)
XPA2	23-8	0920	17431	Sat	06660 00588 77212 ... 97013 07981 26276	MFSK-16/20Bd	(AB)
XPA2	23-8	0940	16184	Sat	06660 00588 77212 ... 97013 07981 26276	MFSK-16/20Bd	(AB)
XPA2	23-8	1500	13825	Sat	08302 00001 00000 33360	MFSK-16/20Bd	(AB)
XPA2	23-8	1520	12125	Sat	08302 00001 00000 33360	MFSK-16/20Bd	(AB)
XPA2	23-8	1540	11025	Sat	08302 00001 00000 33360	MFSK-16/20Bd	(AB)
XPA2	25-8	0700	12152	Mon	05373 00001 00000 34264	MFSK-16/20Bd	(AB)
XPA2	25-8	0720	13552	Mon	05373 00001 00000 34264	MFSK-16/20Bd	(AB)
XPA2	25-8	0740	13952	Mon	05373 00001 00000 34264	MFSK-16/20Bd	(AB)
XPA2	25-8	0910	19597	Mon	09496 00001 00000 36272	MFSK-16/20Bd	(AB)
XPA2	25-8	0930	18173	Mon	09496 00001 00000 36272	MFSK-16/20Bd	(AB)
XPA2	25-8	0950	17472	Mon	09496 00001 00000 36272	MFSK-16/20Bd	(AB)
XPA2	25-8	1200	9338	Mon	05671 00198 03443 ... 77784 55456 71230	MFSK-16/20Bd	(PY)

XPA2	25-8	1220	10427	Mon	05671 00198 03443 ... 77784 55456 71230	MFSK-16/20Bd	(PY)
XPA2	25-8	1220	11574	Mon	05671 00198 03443 ... 77784 55456 71230	MFSK-16/20Bd	(PY)
XPA2	25-8	1240	11431	Mon	05671 00198 03443 ... 77784 55456 71230	MFSK-16/20Bd	(PY)
XPA2	25-8	1250	10643	Mon	05671 00198 03443 ... 77784 55456 71230	MFSK-16/20Bd	(PY)
XPA2	25-8	1250	12158	Mon	05671 00198 03443 ... 77784 55456 71230	MFSK-16/20Bd	(PY)
XPA2	25-8	1300	9338	Mon	09644 00195 06507 ... 74507 79554 45207	MFSK-16/20Bd	(PY)
XPA2	25-8	1320	10427	Mon	09644 00195 06507 ... 74507 79554 45207	MFSK-16/20Bd	(PY)
XPA2	25-8	1320	11574	Mon	09644 00195 06507 ... 74507 79554 45207	MFSK-16/20Bd	(PY)
XPA2	25-8	1340	11431	Mon	09644 00195 06507 ... 74507 79554 45207	MFSK-16/20Bd	(PY)
XPA2	25-8	1350	10643	Mon	09644 00195 06507 ... 74507 79554 45207	MFSK-16/20Bd	(PY)
XPA2	25-8	1350	12158	Mon	09644 00195 06507 ... 74507 79554 45207	MFSK-16/20Bd	(PY)
XPA2	25-8	1500	13825	Mon	09913 00164 09607 ... 83777 63168 05523	MFSK-16/20Bd	(AB)
XPA2	25-8	1520	12125	Mon	09913 00164 09607 ... 83777 63168 05523	MFSK-16/20Bd	(AB)
XPA2	25-8	1540	11025	Mon	09913 00164 09607 ... 83777 63168 05523	MFSK-16/20Bd	(AB)
XPA2	26-8	1100	13887	Tue	09705 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	26-8	1120	12187	Tue	09705 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	26-8	1140	10387	Tue	09705 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	26-8	1300	12122	Tue	01613 00103 98880 ... 54507 50121 01674	MFSK-16/20Bd	(PY)
XPA2	26-8	1310	11504	Tue	01613 00103 98880 ... 54507 50121 01674	MFSK-16/20Bd	(PY)
XPA2	26-8	1320	10751	Tue	01613 00103 98880 ... 54507 50121 01674	MFSK-16/20Bd	(PY)
XPA2	26-8	1330	11467	Tue	01613 00103 98880 ... 54507 50121 01674	MFSK-16/20Bd	(PY)
XPA2	26-8	1340	10559	Tue	01613 00103 98880 ... 54507 50121 01674	MFSK-16/20Bd	(PY)
XPA2	26-8	1350	9372	Tue	01613 00103 98880 ... 54507 50121 01674	MFSK-16/20Bd	(PY)
XPA2	26-8	1400	12122	Tue	05426 00116 15111 ... 38802 73363 00306	MFSK-16/20Bd	(PY)
XPA2	26-8	1410	11504	Tue	05426 00116 15111 ... 38802 73363 00306	MFSK-16/20Bd	(PY)
XPA2	26-8	1420	10751	Tue	05426 00116 15111 ... 38802 73363 00306	MFSK-16/20Bd	(PY)
XPA2	26-8	1430	11467	Tue	05426 00116 15111 ... 38802 73363 00306	MFSK-16/20Bd	(PY)
XPA2	26-8	1440	10559	Tue	05426 00116 15111 ... 38802 73363 00306	MFSK-16/20Bd	(PY)
XPA2	26-8	1450	9372	Tue	05426 00116 15111 ... 38802 73363 00306	MFSK-16/20Bd	(PY)
XPA2	26-8	1500	14396	Tue	04229 00091 56390 ... 80858 18978 33757	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1510	13432	Tue	04229 00091 56390 ... 80858 18978 33757	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1520	12141	Tue	04229 00091 56390 ... 80858 18978 33757	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1600	14396	Tue	05704 00092 23122 ... 53436 72797 35511	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1610	13432	Tue	05704 00092 23122 ... 53436 72797 35511	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1620	12141	Tue	05704 00092 23122 ... 53436 72797 35511	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1700	14396	Tue	09180 00085 16414 ... 47796 08660 12667	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1700	19164	Tue	07246 00202 78971 ... 86979 93048 75536	MFSK-12/20Bd	(AB/Ringo/PY)
XPA2	26-8	1710	13432	Tue	09180 00085 16414 ... 47796 08660 12667	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1720	12141	Tue	09180 00085 16414 ... 47796 08660 12667	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1720	18239	Tue	07246 00202 78971 ... 86979 93048 75536	MFSK-12/20Bd	(AB/PY)
XPA2	26-8	1740	17451	Tue	07246 00202 78971 ... 86979 93048 75536	MFSK-12/20Bd	(AB/PY)
XPA2	26-8	1800	14396	Tue	07520 00081 38200 ... 42544 41331 24242	MFSK-16/20Bd	(AB/PY)

XPA2	26-8	1810	13432	Tue	07520 00081 38200 ... 42544 41331 24242	MFSK-16/20Bd	(AB/PY)
XPA2	26-8	1820	12141	Tue	07520 00081 38200 ... 42544 41331 24242	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	0700	12152	Wed	02055 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	27-8	0720	13552	Wed	02055 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	27-8	0740	13952	Wed	02055 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	27-8	0910	19597	Wed	01812 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	27-8	0930	18173	Wed	01812 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	27-8	0950	17472	Wed	01812 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	27-8	1100	16264	Wed	09022 00001 00000 32263	MFSK-16/20Bd	(AB)
XPA2	27-8	1120	15864	Wed	09022 00001 00000 32263	MFSK-16/20Bd	(AB)
XPA2	27-8	1140	14864	Wed	09022 00001 00000 32263	MFSK-16/20Bd	(AB)
XPA2	27-8	1500	14396	Wed	06495 00092 93521 ... 47760 42063 50147	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1510	13432	Wed	06495 00092 93521 ... 47760 42063 50147	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1520	12141	Wed	06495 00092 93521 ... 47760 42063 50147	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1600	14396	Wed	08884 00088 43205 ... 06823 75776 03536	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1610	13432	Wed	08884 00088 43205 ... 06823 75776 03536	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1620	12141	Wed	08884 00088 43205 ... 06823 75776 03536	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1700	14396	Wed	04422 00087 25159 ... 70219 52051 62341	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1710	13432	Wed	04422 00087 25159 ... 70219 52051 62341	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1720	12141	Wed	04422 00087 25159 ... 70219 52051 62341	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1800	15884	Wed	02080 00248 62883 ... 95726 37196 11664	MFSK-16/20Bd	(AB)
XPA2	27-8	1800	14396	Wed	03697 00097 08853 ... 95189 68114 15237	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1810	13432	Wed	03697 00097 08853 ... 95189 68114 15237	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1820	14684	Wed	02080 00248 62883 ... 95726 37196 11664	MFSK-16/20Bd	(AB)
XPA2	27-8	1820	12141	Wed	03697 00097 08853 ... 95189 68114 15237	MFSK-16/20Bd	(AB/PY)
XPA2	27-8	1840	13484	Wed	02080 00248 62883 ... 95726 37196 11664	MFSK-16/20Bd	(AB)
XPA2	28-8	0900	18376	Thu	00851 00479 40895 ... 29385 61888 63741	MFSK-16/20Bd	(AB)
XPA2	28-8	0920	17431	Thu	00851 00479 40895 ... 29385 61888 63741	MFSK-16/20Bd	(AB)
XPA2	28-8	0940	16184	Thu	00851 00479 40895 ... 29385 61888 63741	MFSK-16/20Bd	(AB)
XPA2	28-8	1100	16264	Thu	06129 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	28-8	1120	15864	Thu	06129 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	28-8	1140	14864	Thu	06129 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	28-8	1500	14396	Thu	09422 00085 31763 ... 05167 61992 67632	MFSK-16/20Bd	(AB/Ringo/PY)
XPA2	28-8	1510	13432	Thu	09422 00085 31763 ... 05167 61992 67632	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1520	12141	Thu	09422 00085 31763 ... 05167 61992 67632	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1600	14396	Thu	05734 00081 53549 ... 64980 83166 03107	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1610	13432	Thu	05734 00081 53549 ... 64980 83166 03107	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1620	12141	Thu	05734 00081 53549 ... 64980 83166 03107	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1700	19164	Thu	07246 00202 78971 ... 86979 93048 75536	MFSK-12/20Bd	(AB)
XPA2	28-8	1700	14396	Thu	02004 00089 03518 ... 21122 73962 11175	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1710	13432	Thu	02004 00089 03518 ... 21122 73962 11175	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1720	18239	Thu	07246 00202 78971 ... 86979 93048 75536	MFSK-12/20Bd	(AB)

XPA2	28-8	1720	12141	Thu	02004 00089 03518 ... 21122 73962 11175	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1740	17451	Thu	07246 00202 78971 ... 86979 93048 75536	MFSK-12/20Bd	(AB)
XPA2	28-8	1800	14396	Thu	02697 00097 08853 ... 95189 68114 15237	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1810	13432	Thu	02697 00097 08853 ... 95189 68114 15237	MFSK-16/20Bd	(AB/PY)
XPA2	28-8	1820	12141	Thu	02697 00097 08853 ... 95189 68114 15237	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1100	13887	Fri	03217 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-8	1120	12187	Fri	03217 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-8	1140	10387	Fri	03217 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-8	1500	14396	Fri	02667 00083 38193... 11683 50927 37153	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1510	13432	Fri	02667 00083 38193... 11683 50927 37153	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1520	12141	Fri	02667 00083 38193... 11683 50927 37153	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1600	14396	Fri	06817 00080 82940 ... 62096 41162 24043	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1610	13432	Fri	06817 00080 82940 ... 62096 41162 24043	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1620	12141	Fri	06817 00080 82940 ... 62096 41162 24043	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1700	14396	Fri	04918 00089 50936 ... 26581 66390 27211	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1710	13432	Fri	04918 00089 50936 ... 26581 66390 27211	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1720	12141	Fri	04918 00089 50936 ... 26581 66390 27211	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1800	15884	Fri	02080 00248 62883 ... 95726 37196 11664	MFSK-16/20Bd	(AB)
XPA2	29-8	1800	14396	Fri	00377 00096 57014 ... 60734 98030 54525	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1810	13432	Fri	00377 00096 57014 ... 60734 98030 54525	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1820	14684	Fri	02080 00248 62883 ... 95726 37196 11664	MFSK-16/20Bd	(AB)
XPA2	29-8	1820	12141	Fri	00377 00096 57014 ... 60734 98030 54525	MFSK-16/20Bd	(AB/PY)
XPA2	29-8	1840	13484	Fri	02080 00248 62883 ... 95726 37196 11664	MFSK-16/20Bd	(AB)
XPA2	30-8	0900	18376	Sat	00851 00479 40895 ... 29385 61888 63741	MFSK-16/20Bd	(AB)
XPA2	30-8	0920	17431	Sat	00851 00479 40895 ... 29385 61888 63741	MFSK-16/20Bd	(AB)
XPA2	30-8	0940	16184	Sat	00851 00479 40895 ... 29385 61888 63741	MFSK-16/20Bd	(AB)
XPA2	30-8	1500	13825	Sat	09913 00164 09607 ... 83777 63168 05523	MFSK-16/20Bd	(AB)
XPA2	30-8	1500	14396	Sat	03599 00085 02223 ... 28831 00292 35214	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1510	13432	Sat	03599 00085 02223 ... 28831 00292 35214	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1520	12125	Sat	09913 00164 09607 ... 83777 63168 05523	MFSK-16/20Bd	(AB)
XPA2	30-8	1520	12141	Sat	03599 00085 02223 ... 28831 00292 35214	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1540	11025	Sat	09913 00164 09607 ... 83777 63168 05523	MFSK-16/20Bd	(AB)
XPA2	30-8	1600	14396	Sat	07825 00086 47246 ... 68289 35625 23045	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1610	13432	Sat	07825 00086 47246 ... 68289 35625 23045	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1620	12141	Sat	07825 00086 47246 ... 68289 35625 23045	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1700	14396	Sat	02034 00093 64389 ... 91521 18593 05665	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1710	13432	Sat	02034 00093 64389 ... 91521 18593 05665	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1720	12141	Sat	02034 00093 64389 ... 91521 18593 05665	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1800	14396	Sat	02491 00094 48818 ... 71406 22276 25052 000 000	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1810	13432	Sat	02491 00094 48818 ... 71406 22276 25052 000 000	MFSK-16/20Bd	(AB/PY)
XPA2	30-8	1820	12141	Sat	02491 00094 48818 ... 71406 22276 25052 000 000	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1500	14396	Sun	07211 00084 67417 ... 28846 63101 34102	MFSK-16/20Bd	(AB/PY)

XPA2	31-8	1510	13432	Sun	07211 00084 67417 ... 28846 63101 34102	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1520	12141	Sun	07211 00084 67417 ... 28846 63101 34102	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1600	14396	Sun	03157 00095 31920 ... 69695 82704 77766	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1610	13432	Sun	03157 00095 31920 ... 69695 82704 77766	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1620	12141	Sun	03157 00095 31920 ... 69695 82704 77766	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1700	14396	Sun	07196 00080 81606 ... 00379 00862 02023	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1710	13432	Sun	07196 00080 81606 ... 00379 00862 02023	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1720	12141	Sun	07196 00080 81606 ... 00379 00862 02023	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1800	14396	Sun	03477 00096 68212 ... 84331 28527 12206	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1810	13432	Sun	03477 00096 68212 ... 84331 28527 12206	MFSK-16/20Bd	(AB/PY)
XPA2	31-8	1820	12141	Sun	03477 00096 68212 ... 84331 28527 12206	MFSK-16/20Bd	(AB/PY)
XPB1	1-8	1300	20064	Fri	Russian intel.	MFSK-16	(AB)
XPB1	1-8	1310	19364	Fri	Russian intel.	MFSK-16	(AB)
XPB1	1-8	1320	18464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	1-8	1330	17464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	1-8	1340	16264	Fri	Russian intel.	MFSK-16	(AB)
XPB1	1-8	1350	15864	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-8	0500	18451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-8	0510	18051	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-8	0520	17451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-8	0530	16251	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-8	0540	15851	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-8	0550	14451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-8	0500	18451	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	0510	18051	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	0520	17451	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	0530	16251	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	0540	15851	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	0550	14451	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	1300	20064	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	1310	19364	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	1320	18464	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	1330	17464	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	1340	16264	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-8	1350	15864	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-8	1300	20064	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1310	19364	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1320	18464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1330	17464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1340	16264	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-8	1350	15864	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-8	0500	18451	Mon	Russian intel.	MFSK-16	(AB)

XPB1	11-8	0510	18051	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-8	0520	17451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-8	0530	16251	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-8	0540	15851	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-8	0550	14451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-8	0500	18451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	0510	18051	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	0520	17451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	0530	16251	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	0540	15851	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	0550	14451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	1300	20064	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	1310	19364	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	1320	18464	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	1330	17464	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	1340	16264	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-8	1350	15864	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1300	20064	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1310	19364	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1320	18464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1330	17464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1340	16264	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-8	1350	15864	Fri	Russian intel.	MFSK-16	(AB)
XPB1	18-8	0500	18451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-8	0510	18051	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-8	0520	17451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-8	0530	16251	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-8	0540	15851	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-8	0550	14451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19-8	0500	18451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	0510	18051	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	0520	17451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	0530	16251	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	0540	15851	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	0550	14451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	1300	20064	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	1310	19364	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	1320	18464	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	1330	17464	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	1340	16264	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-8	1350	15864	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-8	1500	14396	Thu	Russian intel.	MFSK-16/32Bd	(AB)

XPB1	21-8	1510	13432	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1520	12141	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1600	14396	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1610	13432	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1620	12141	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1700	14396	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1710	13432	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1720	12141	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1800	14396	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1810	13432	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	21-8	1820	12141	Thu	Russian intel.	MFSK-16/32Bd	(AB)
XPB1	22-8	1300	20064	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1310	19364	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1320	18464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1330	17464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1340	16264	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-8	1350	15864	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-8	0500	18451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-8	0510	18051	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-8	0520	17451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-8	0530	16251	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-8	0540	15851	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-8	0550	14451	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-8	0500	18451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	0510	18051	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	0520	17451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	0530	16251	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	0540	15851	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	0550	14451	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	1300	20064	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	1310	19364	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	1320	18464	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	1330	17464	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	1340	16264	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-8	1350	15864	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1300	20064	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1310	19364	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1320	18464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1330	17464	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1340	16264	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-8	1350	15864	Fri	Russian intel.	MFSK-16	(AB)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-IRQ	Ary Boender via remote rx Iraq
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
CS	Chris Smolinski, USA
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
JPL	JPL, NB, Canada (and various remote rx)
Lac	Lazycrypt
linkz	Linkz, S.E. France
Moon	Moonlight (Dave AU)
Pille	Pille
Priyom	Priyom team
PY	Pierre Ynard, France and via remote rx
Ringo	Ringo S.
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Rycat	Rycat
Subilo	Subilo
T101	RadiotekhnikaT101 via Priyom
TJ	Trond Jacobsen, Norway
TM	Time Machine

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		XP	MFSK (polytone) modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			

M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- . . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[+]	. - . - .
O	- - -	Á	. - - - -	Invitation to transmit		- . -
P	. - . .	CH	- - - -	Wait	[AS]	. - . . .
Q	- - . -	É	. . - . .	End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ö	- - - .	End of message	[AR]	. - . - .
S	. . .	Ü	. . - -	Starting signal		- . . - .
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

For Cyrillic morse etc., see also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	. . — — —	Hai	To	dvoyka	Twso	Two
3	. . . — —	Ba	Fwee	troyka	Drei	Three
4	 —	Bồ'n	Fo	chetvyorka	Vier	Four
5		Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — . . .	Ba y	Seven	syem	Sieben	Seven
8	— — — . .	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	—					
/	—					

Note: E17z, M03 and M08a are defunct.

COLOPHON

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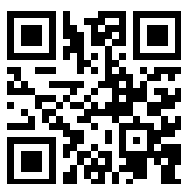
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476 27364 92836 89428 61288 74982 36498 32764 81276 81
 486 48932 70987 32123 49817 26346 81287 65491 87364 81
 721 75654 55656 12737 72727 72727 91918 63473 67867 72
 723 87629 37677 32612 53498 71296 28756 18276 98716 87
 7269 76329 74698 76857 98678 27681 56781 57681 73648 1
 591 87364 87265 96718 27638 12673 84769 28743 98127 5
 8 63298 75698 27465 87326 49876 28376 81273 98615 6
 67 87432 74328 78674 29867 32867 67867 86786 43266 48
 57 68768 68763 34234 34238 68768 62342 48273 48768 23
 736 98432 32432 86743 43286 43286 43286 43286 43286 43
 743 86743 86743 39867 32867 86743 43286 43286 43243 86
 741 86743 86743 86743 86743 86743 86743 86743 86743 4
 343 98798 98754 98754 98754 98754 29867 67543 67986 86
 76 87698 69876 87698 69876 87612 12341 34867 86798 652
 867 83298 65656 56756 56123 32143 14321 32143 14321 321
 82767 58765 76581 58765 76587 58765 76587 58756 746
 82767 58765 76581 58765 76587 58765 76587 58756 746

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